

Normal Proposals								
Proposal ID	Title	PI	Country	Category	Approved Target	Approved Time [ksec]	Grade	Comments
420001	Regular and frequent INTEGRAL monitoring of the Galactic Bulge region	Kuulkers	Spain	Compact Object	Galactic Bulge region	567	A	Split into 45 observations
420008	Massive Stars of Orion OB1 and the ISM	Diehl	Germany	Nucleosynthesis	Orion OB1	2500	A	500 ks more in B
420021	Galactic positron annihilation radiation: proving the existence of halo emission by mid-latitude observations	Weidenspointner	France	Nucleosynthesis	Region at $l=0$, $b=-25$	1500	A	500 ks more in B
420024	A high-energy study of the enigmatic Blazar PKS 0537-286	Ajello	Germany	Extragalactic Object	PKS 0537-286	1000	A	
420034	A Hard X-ray monitoring of the ~ 900 square degrees centered on GRS 1915+105	Rodriguez	France	Compact Object	GRS 1915+105 region	600	A	Up to 30 observations of 20 ks
420054	Variability Studies on Bright Blazar 3C 273 in the hard-X and gamma-ray wavelengths	Pacciani	Italy	Extragalactic Object	3C 273	600	A	If Agile performance close to expected and coordination possible. Split in 3 observations
420062	Another opportunity to observe X and gamma ray flares from the Galactic Nucleus with INTEGRAL and XMM-Newton	Goldwurm	France	Compact Object	Galactic Center	220	A	Coordinated with XMM-Newton
420073	Dissecting the Milky Way: Stellar Ridge, Cosmic Rays, Annihilation Radiation, Nucleosynthesis	Sunyaev	Russian Federation	Others	Latitude scans from -30 to 30	4000	A	
420077	Spectral variability of NGC 4151	Walter	Switzerland	Extragalactic Object	NGC 4151	800	A	2 observations of 400 ks
420083	Studying the pre-periastron flare of GX 301-2	Kreykenbohm	Germany	Compact Object	GX 301-2	300	A	2 observations of 150 ks
420087	Thermonuclear Pathways in X-ray Bursts from GS 1826-24	Galloway	Australia	Compact Object	GS 1826-24	100	A	
420102	A Study of the Warm Absorber in the Dipping LMXB 4U 1254-690 Using Broad-band Integral Observations	Balman	Netherlands	Compact Object	4U 1254-690	100	A	Coordinated with XMM-Newton
420003	Compton reflection in the Seyfert 1.9 galaxy MCG-05-23-016	Beckmann	USA	Extragalactic Object	MCG-05-23-016	400	B	2 observations of 200 ks
420008	Massive Stars of Orion OB1 and the ISM	Diehl	Germany	Nucleosynthesis	Orion OB1	500	B	2500 ks more in A
420021	Galactic positron annihilation radiation: proving the existence of halo emission by mid-latitude observations	Weidenspointner	France	Nucleosynthesis	Region at $l=0$, $b=-25$	500	B	1500 ks more in A
420032	A High Energy Study of the Dipping LMXB EXO 0748-676	Götz	France	Compact Object	EXO 0748-676	400	B	2 observations of 200 ks
420045	A detailed study of X-Per (4U 0352+309)	Kreykenbohm	Germany	Compact Object	X Per	600	B	
420052	Revealing the structure of hard X-ray eclipse in SS 433 by INTEGRAL	Cherepashchuk	Russian Federation	Compact Object	SS 433	466	B	2 observations of 233 ks
420090	Survey of the Outer Perseus Arm in the Galactic Anticentre Region	Ubertini	Italy	Others	Perseus Arm: $l=150$, $b=0$	800	B	800 ks more in C
420015	An INTEGRAL observation of the peculiarly flat hard X-ray spectrum of the radio-quiet QSO PG1416-129	Williams	Spain	Extragalactic Object	PG1416-129	200	C	
420072	Rich Field CV studies with INTEGRAL - the role of the magnetic field in the production of soft gamma-rays from CVs	Barlow	United Kingdom	Compact Object	CV Field 1	400	C	
420088	Monitoring observation of the SMC with INTEGRAL	Zurita Heras	Switzerland	Compact Object	SMC	880	C	22 observations of 40 ks
420090	Survey of the Outer Perseus Arm in the Galactic Anticentre Region	Ubertini	Italy	Others	Perseus Arm: $l=225$, $b=0$	800	C	800 ks more in B
420099	The origin of the real X-ray background: An INTEGRAL deep survey in the 3C273 region	McHardy	United Kingdom	Extragalactic Object	3C 273 region	200	C	
420107	Variability of the cyclotron line energy and the pulse profile in Her X-1: What is the fundamental physics?	Staubert	Germany	Compact Object	Her X-1	460	C	Observation in Main-On state



Target of Opportunity & GRB proposals								
Proposal ID	Title	PI	Country	Category	Approved Target	Approved Time [ksec]	Grade	Comments
420007	Observations of Mrk 421 in its active state with INTEGRAL	Lichti	Germany	Extragalactic Object	Mrk 421	400	A (TOO)	
420016	Target of Opportunity Observations of Active Soft Gamma Repeaters	Hurley	USA	Compact Object	Known or new SGR	480	A (TOO)	
420018	ToO Observations of Centaurus A in a Bright State	Weidenspointner	France	Extragalactic Object	Cen A	1000	A (TOO)	
420022	Studying known soft X-ray transients during the rising phase of the outburst	Castro-Tirado	Spain	Compact Object	1 Soft X-ray Transient	100	A (TOO)	
420026	Comparing Outbursts in 3A 0535+262	Kretschmar	Spain	Compact Object	3A 0535+262	200	A (TOO)	
420027	Monitoring the evolution of a new Galactic Black Hole like transient source in outburst	Rodriguez	France	Compact Object	1 new BH like transient	1200	A (TOO)	30 ks observations every 1-2 revolutions over 6 months, max. 40
420028	ToO observations of the 'Bursting Pulsar' during outburst with INTEGRAL	Masetti	Italy	Compact Object	GRO J1744-28	280	A (TOO)	
420029	High-Energy Studies of Black Hole X-Ray Novae	Cadolle Bel	France	Compact Object	1 new BHT	400	A (TOO)	Split in 2 observations
420030	INTEGRAL ToO observations of known transient X-ray sources, coordinated with XMM-Newton	Sidoli	Italy	Compact Object	1 transient	400	A (TOO)	Coordinated with XMM-Newton
420031	Unveiling the High Energy Face of Soft Gamma-Repeaters	Feroci	Italy	Compact Object	1 SGR	200	A (TOO)	
420040	Observation of Known and Unknown Soft Gamma Repeaters Serendipitously Detected by INTEGRAL	Feroci	Italy	Compact Object	Known or new SGR	0	A (TOO)	SGR in outburst, no dedicated observation time
420042	TOO Observation of the high-energy spectrum of a black-hole transient in the Soft and Hard Intermediate states	Belloni	Italy	Compact Object	Known or new BH transient	200	A (TOO)	
420051	INTEGRAL TOO Observations of Galactic Transients Discovered by Swift	Gehrels	USA	Compact Object	1 transient	400	A (TOO)	
420055	INTEGRAL Observations of Nearby Supernovae	Leising	USA	Nucleosynthesis	Nearby SN	2000	A (TOO)	Up to 2000 ks depending on SN type
420056	A Deep Examination of Black Hole States with INTEGRAL	Miller	USA	Compact Object	Known or new BH transient	780	A (TOO)	Up to 6 observations of 130 ks
420060	Measuring the High Energy Emission of Millisecond X-Ray Pulsars in Outburst	Falanga	France	Compact Object	1 MSP transient	260	A (TOO)	
420063	INTEGRAL follow-up observations of AGILE-triggered gamma-ray flaring blazars...	Vercellone	Italy	Extragalactic Object	1 Blazar	300	A (TOO)	
420081	Multiwavelength Study of Known and New Transient X-/Gamma-ray...	Lutovinov	Russian Federation	Compact Object	BHC or LMXB transient	400	A (TOO)	Up to 2 observations of 200 ks
420092	INTEGRAL Observations of Classical Novae	Hernanz	Spain	Nucleosynthesis	Unknown nova	4500	A (TOO)	
420097	Monitoring the latest stages of neutron star X-ray transients with INTEGRAL	Campana	Italy	Compact Object	1 Soft X-ray Transient	500	A (TOO)	
420101	Measuring the Total Electromagnetic Luminosity of the Universe with INTEGRAL	Krawczynski	USA	Extragalactic Object	Mrk 501, 1ES 1959+650	400	A (TOO)	
420104	Target of Opportunity Observation(s) of Known and Unknown X-ray Pulsating Transients in Outburst	Santangelo	Germany	Compact Object	Known or new XRP transient	400	A (TOO)	2 observations at different luminosity states
420012	INTEGRAL Observations of Blazars in Outburst	Pian	Italy	Extragalactic Object	1 Blazar	600	B (TOO)	3 observations
420013	TeV Blazars	Persic	Italy	Extragalactic Object	1 HBL Blazar	600	B (TOO)	
420076	INTEGRAL follow-up observations of AGILE-triggered variable non blazar unidentified gamma-ray Galactic plane sources	Chen	Italy	Others	1 of 3 sources	300	B (TOO)	1 observation of 300 ks
420011	Maintaining INTEGRAL in the 3rd Interplanetary Network of Gamma Ray Burst Detectors	Hurley	USA	Others	GRB		GRB	
420069	Broad-band spectroscopy of GRB prompt and early afterglow emission	Sazonov	Russian Federation	Others	GRB		GRB	
420078	Characterisation of spectral and temporal behaviour of gamma-ray bursts with SPI and IBIS	Hanlon	Ireland	Others	GRB		GRB	
420091	Studying INTEGRAL Gamma Ray Bursts over a wide energy range	Lund	Denmark	Others	GRB		GRB	
420103	Compton Imaging and Spectral Analysis of GRBs outside of the INTEGRAL coded field of view	Denis	Poland	Others	GRB		GRB	



Proposals associated with the Integral Key Programme								
Proposal ID	Title	PI	Country	Category	Approved Target		Grade	Comments
430001	Studying non-thermal emission from the Ophiuchus cluster of galaxies	Eckert	Switzerland	Extragalactic Object	Ophiuchus cluster		KP	
430002	Continuum emission and source populations in the Galaxy	Strong	Germany	Others	Galactic Center		KP	
430005	Hard X-ray Variability of AGN	Beckmann	USA	Extragalactic Object	AGN visible in the KP region		KP	See Note 1
430006	Searching for features to determine the 1E 1743.1-2843 nature	Del Santo	Italy	Compact Object	1E 1743.1-2843		KP	
430007	Search for the neutron-capture gamma-ray lines from 4U 1820-30	Boggs	USA	Compact Object	4U 1820-30		KP	Only line studies
430008	High energy study of the Neutron-Star Atoll-type LMXB sample	Fiocchi	Italy	Compact Object	Atoll sources in the KP region		KP	See Note 1
430009	INTEGRAL Key Program investigation of SGR 1806-20 after the Giant Flare	Mereghetti	Italy	Compact Object	SGR 1806-20		KP	
430010	Monitoring the hard tails of Anomalous X-ray Pulsars during the INTEGRAL KP observations of the Galactic Centre	Gotz	France	Compact Object	XTE J1810-1971, RXSJ170849.0-400910		KP	
430011	Simultaneous INTEGRAL and AGILE look to blazar PKS 1830-211: searching evidence of correlated variability	Donnarumma	Italy	Extragalactic Object	PKS 1830-211		KP	
430012	Key project proposal: positron annihilation radiation from the Galactic center region	Weidenspointner	France	Nucleosynthesis	Galactic Center region: positron annihilation radiation		KP	
430013	Following the transient Z source XTE J1701-462 in the AO4 KP: a LMXB over a large range in mass accretion rate	Belloni	Italy	Compact Object	XTE J1701-462		KP	
430014	Search for Unpredicted Gamma-Ray Lines with SPI	Watanabe	USA	Others	Galactic Center: Unknown lines		KP	
430015	Origin of Hard X-rays from Transient Black Hole Candidates	Cui	USA	Compact Object	No reserved targets		KP	See Note 2
430017	Revealing the nature of a newly discovered Swift/BAT survey source	Tueller	USA	Compact Object	SWIFT J1656.3-3302		KP	
430018	Characterisation of the class of Supergiant Fast X-ray Transients	Negueruela	Spain	Compact Object	SFXTs in the KP region		KP	See Note 1
430019	Monitoring the peculiar persistent LMXB GRS 1758-258	Pottschmidt	USA	Compact Object	GRS 1758-258		KP	
430020	Measuring the High Energy Emission of Millisecond X-Ray Pulsars in Outburst during the Galactic Centre Key Programme	Falanga	France	Compact Object	ms XRP in the KP region		KP	See Note 1
430021	Hard X-Ray Emission From Persistent Neutron Star LMXRBs	Paizis	Italy	Compact Object	NS LMXB		KP	See Note 1
430022	A RXTE/INTEGRAL-KP campaign on the Atoll source 4U 1728-34	Belloni	Italy	Compact Object	4U 1728-34		KP	
430024	Hard X-ray observations of X-ray bursters in the Galactic Center	Sanchez-Fernandez	Spain	Compact Object	Selected X-ray bursters		KP	See Note 1
430025	Monitoring of the spectral evolution of the black hole candidate 1E 1740.7-2942	Bazzano	Italy	Compact Object	1E 1740.7-2942		KP	
430026	High-Energy Monitoring of Black Hole X-Ray Novae in Outburst during the Galactic Center Key Programme	Goldoni	France	Compact Object	No reserved targets		KP	See Note 2
430027	A few sources within the Galactic Bulge	Walter	Switzerland	Compact Object	4U 1822-371, IGR J17167-3759		KP	
430028	Long X-ray bursts monitoring in the Galactic Centre	Chenevez	Denmark	Compact Object	Selected X-ray bursters		KP	See Note 1
430029	Deep INTEGRAL observations of the central molecular zone	Bélangier	France	Others	G0.13-0.13		KP	
430030	Broad band study of the Globular Clusters X-ray burster: search for spectral evolution	Tarana	Italy	Compact Object	Selected X-ray bursters		KP	See Note 1
430032	Search for gamma-ray emission from SAXJ1748.2-2808 a faint source in the Galactic Center region	Sidoli	Italy	Compact Object	SAXJ1748.2-2808		KP	
430033	Gamma-ray emission from OB associations	Leyder	Belgium	Others	OB associations		KP	See Note 1
430034	INTEGRAL Observations of plerions in the Galactic Center region	Sidoli	Italy	Compact Object	Plerions in the KP region		KP	See Note 1
430035	Stellar Wind Physics in new Super-Giant High Mass X-Ray Binaries	Walter	Switzerland	Compact Object	IGR J18027-2016, IGR J17252-3616		KP	
430036	Spectral and temporal behaviour study of a sample of transient BHC in the Galactic centre region	Capitanio	Italy	Compact Object	Sample of BHC		KP	See Note 1
430039	Key program observation of GX 1+4	Ferrigno	Italy	Compact Object	GX 1+4		KP	
430043	INTEGRAL observations to aid X-ray burst Chandra spectroscopy of 4U 1812-12	in 't Zand	Netherlands	Compact Object	4U 1812-12		KP	
430044	Characterizing the Warm Absorbing Medium in the Dipping Low-Mass X-ray Binary 4U 1746-37	Balman	Netherlands	Compact Object	4U 1746-37		KP	
430045	Nucleosynthesis Lines from the Inner Galaxy	Diehl	Germany	Nucleosynthesis	Galactic Center region: 26Al, 60Fe & 44Ti lines		KP	

Note 1: A detailed list with the allocation of sources to observers associated to the Key Programme will be available at the ISOC Website

Note 2: These proposals have no data rights on any known target in the KP field, but they compete openly (with all PI's participating in the KP data analysis) on serendipitous sources to conduct the science as laid out in their proposals.

