

File No #	Title	Partners involved	contact	Category
1	Complex approach for materials study by combination of analytical and structural techniques	ILL, PSI, LLB or BNC, FRM II with partners Elettra, TUD, TU Budapest, ELTE Budapest	Tamas Belgya (BNC)	ENERGY SCIENCE
2	Renewable sources and energy storage (fuel cells, solar cells, lithium batteries, hydrogen storage...)	HZB	Nikolay Kardjilov (HZB)	ENERGY SCIENCE
32	PROTHAP: PROTEIN THERAPEUTICS: DEVELOPMENTS FOR LABELLED ANTIBODIES TO ENABLE NEUTRON STRUCTURAL STUDIES FOR IMMUNOLOGY	ILL, Synthelis (http://www.synthelis.fr/), ISIS, AstraZeneca UK, FRM-II/TUM, Keele University	<tforsyth@ill.fr>	HEALTH SCIENCE
3	New neutron monochromators for hot and thermal neutrons – design and development	NPI, ILL, Uni Augsburg, FRM II, ESS	Pavol Mikula (NPI)	Instrumentation
4	Novel Shielding Concepts and Materials	PSI (Uwe Filges) & ESS (Phil Bentley), ISIS, TUM	michel.kenzelmann@psi.ch	Instrumentation
5	An Advanced, User-Friendly MCNP-McStas Coupling Interface	PSI (E. Rantsiou) & ESS, DTU, UCPH	michel.kenzelmann@psi.ch	Instrumentation
6	Network for Neutronics	ISIS, Uni Madrid & ...	philip.king@stfc.ac.uk	Instrumentation
7	Joint Research Development of new LARMOR Labeling experimental setups	TUD, LLB, FRM2, HZB, ESS, JCNS	C.Pappas@tudelft.nl	Instrumentation
8	IMAGING	TUD, LLB, FRM2, ESS, PSI	C.Pappas@tudelft.nl	Instrumentation
9	Next generation 2D-PSD 3He-gas-detectors for neutron powder and single crystal diffractometers: Delivering hardware and integrated data reduction software	ILL, FRM II, PSI	christian.rueegg@psi.ch	DETECTORS
10	2D neutron detector based on ZnS:6LiF scintillator readout with WLS fibres and SiPMs	PSI, ISIS (Muons)	christian.rueegg@psi.ch	DETECTORS
11	Adapted Neutron optics for new science and new Boron based neutron detectors.	ICMA	javier.campo@csic.es	DETECTORS
12	High resolution, High rate Neutron detectors	ISIS, ILL, ESS, FZJ, TUM, CEA, CNR, BNC, PSI, LIP	nigel.rhodes@stfc.ac.uk	DETECTORS
13	Development of new Neutron Detectors	TUD, ISIS, ESS, NIKHEF, Amsterdam Scientific Instruments	C.Pappas@tudelft.nl	DETECTORS
14	Mantid for Continuous Flux Sources	PSI, ILL Tessella	michel.kenzelmann@psi.ch	DATA
15	Anything to NeXUS converter	PSI	michel.kenzelmann@psi.ch	DATA
17	Next generation analysis toolkits for next generation LSF users	ISIS	philip.king@stfc.ac.uk	DATA
18	Scientific Computing	MLZ	j.wuttke@fz-juelich.de	DATA
29	Virtual research environment for N & X data and simulations	ESS, ILL, ESS, etc	Thomas.HolmRod@esss.se	DATA
33	NEXT - Neutron Experiment data Treatment	ISIS, ESS, MLZ, PSI, ILL	<johnson@ill.fr>	DATA
34	Multi-purpose software for global and complementary structural data analysis	ILL, ISIS, ESS, ESRF, Uni Tübingen	gerelli@ill.fr	DATA
19	Standards for Sample Environment at Ultra Low Temperatures at Neutron Scattering Facilities	PSI (Marek Bartkowiak), ISIS, ILL, FRM II	michel.kenzelmann@psi.ch	SE
20	Standards for low Background Sample environment at Scattering facilities	ILL (ELB), PSI, ISIS, FRM II, HZB	lelievre@ill.eu	SE
21	Next generation of pressure cells: Delivering hardware and improved design of μ SR spectrometers	PSI, + (Muons)	elvezio.morenzoni@psi.ch	SE
22	Enabling Neutron Investigation on Materials under Extreme Conditions: Stationary/pulsed high magnetic fields; High pressure technique; Single crystal samples	ESS	arno.hiess@esss.se	SE
23	Keeping Samples under control: Open software standard for SE measurements; Tracking samples (safety); Radiological characterization, isotope comp; Crystallographic characterization; Needs for cultural heritage and life science samples	ESS	arno.hiess@esss.se	SE
16	Open software standard for SE measurements at European neutron scattering facilities. • Sample environments (levitation, high magnetic field, coupled NMR&Neutron measurements) • Synchronized and desynchronized pulsed experiments (magnetic or electric field, pressure waves, flow cells, ...) • Developments to obtain sub microsec time resolution • Development of polarisation ToF on Spin Echo • Data processing and viewing of single crystals TOF spectrometer. • Comparison of Hot source diffraction experiments to Spallation source ones. • Development of low resolution TOF experiment for ultra low reflectivity measurements	PSI, ESS, ILL, HZB, ISI, MLZ	michel.kenzelmann@psi.ch	SE
29		LLB & french Universities	christiane.alba-simionescu	SE & Instrumentation
30	Chemical Deuteration	ESS, ILL, ISIS	hanna.wacklin@esss.se	SE
31	NEXTALIS: CRYSTALLISATION METHODOLOGIES FOR NEUTRONS, SYNCHROTRONS, AND FELS	ILL, ESRF, Douglas instruments, CFEL, Imperial College	<tforsyth@ill.fr>	SE
24	Muon Joint Research Activity and Access Funding to stimulate high field measurements	ISIS, PSI	stephen.cottrell@stfc.ac.uk	MUONS
25	Development of a design for a high-intensity muon beamline at ESS	PSI	a.knecht@psi.ch, klaus.kirch@psi.ch	MUONS

26	Next Generation Equipment for Muonium Chemistry Research	ISIS	stephen.cottrell@stfc.ac.uk	MUONS
27	NaMES (Training for young researchers)	ISIS/ILL	ross.stewart@stfc.ac.uk	TRAINING
28	e-learning	DTU, UCPH, FRM II etc	udby@nbi.dk	TRAINING