

List of Beam Time days assigned by PAC

for experiments submitted at Tandem-ALPI Accelerators
INFN-LNL, February 26th – 27th, 2009

PAC Ref.	Acronym	Title	Spokesperson	Institution	Beam time	
					requested	allotted
04/16	33mirror/ MIRROR33	Transition rates in mirror nuclei ^{33}S and ^{33}Cl : A test for proton-neutron pairing and isospin mixing/ Test of Isospin symmetry in $A=33$ mirror nuclei	Tonev Dimitar/ Recchia Francesco	INRNE Bulgaria/ Università PD e INFN sez. PD	5 Tandem	5 Tandem
05	^{70}Br GASPR FD	Study of the anomalous behavior of the Coulomb energy difference in the $A=70$, $T=1$ isobaric multiplet	Bednarczyk Piotr	IFJ-PAN	6 Tandem	5 Tandem
06	^{96}Zr - ^{124}Sn	Evolution of Shell Structure of $Z<50$ Neutron-Rich Nuclei Near the $N=82$ Closed Shell	Torres Diego	University of the West of Scotland	7 ALPI	6 ALPI
07	ACSACF	Absolute production cross sections for Po to Th nuclei in very asymmetric complete fusion reactions. I. Rn nuclei production in the $^{16}\text{O}+^{194}\text{Pt}$ test ex	Sagaidak Roman	Flerov Lab. Nuclear Reactions, JINR	3 Tandem	3 Tandem
08	Ce- Dynamical- Dipole	Measurement of the Dynamical Dipole gamma decay in N/Z asymmetric reaction	Corsi Anna	Università Milano e INFN MI	17 ALPI	6 ALPI
10	CSYM- COMM	Isotopic effects on the level density and symmetry energy: an xperimental perspective. Commissioning of the experimental device	D'Agostino Michela	Dip. Fisica e INFN Bologna	3 Tandem	3 Tandem
11	Elastic ^{40}Ca $+^{90,96}\text{Zr}$	Elastic and inelastic scattering of $^{40}\text{Ca}+^{90,96}\text{Zr}$: exploring the reaction dynamics with high resolution and efficiency	Montagnoli Giovanna	Università di Padova	5 Tandem	5 Tandem
12	EXPADES	EXPADES apparatus in-beam test	Romoli Mauro	INFN Sez. Napoli	2 Tandem	2 Tandem
13	FRANCIUM	Trapping of Radioactive Francium Atoms with a Magneto-Optical Trap	Calabrese Roberto	University FE Physics dept.	8 Tandem	4 Tandem
14	Fusion_ ^{58}Ni $+^{54}\text{Fe}$	Fusion of $^{58}\text{Ni} + ^{54}\text{Fe}$ near and below the Coulomb barrier	Stefanini Alberto M.	INFN-LNL	7 Tandem	7 Tandem
17	Test-GQR	Inelastic scattering as a tool to search for highly excited states up to the region of the Giant Quadrupole Resonance: test experiment	Nicolini Roberto	Università di Milano e INFN Milano	4 ALPI	2 ALPI
18	VVGASP	Isovector and Isoscalar core excitations in the fp shell: the $^{51,53}\text{V}$ isotopes.	Mengoni Daniele	Università e INFN - PD	6 Tandem	5 Tandem
Total days assigned						53