

22nd JEM-EUSO International Meeting December 4-8, 2017

Large meeting room
2F Welfare and Conference Building (Main Cafeteria)

RIKEN, WAKO

Monday, December 4

08:30-09:00 Registration

09:00-09:15 Welcome

T.Ebisuzaki

Plenary Session 1: Mission Status and Programmatic aspects

09:15-09:45 Mission Status Overview

P. Picozza

09:45-10:00 Report from Japan

T. Ebisuzaki

10:00-10:15 Report from Russia

P. Klimov

10:15-10:30 Report from USA

A. Olinto

10:30-10:45 Report from other Countries

PIs

10:45-11:00 *Coffee Break*

Plenary Session 2: Overview of the Projects in Progress (from 11:00 to 16:00)

11:00-11:30 EUSO-SPB1

L. Wiencke

11:30-12:00 EUSO-SPB2

A. Olinto

12:00-12:30 POEMMA

A. Olinto

12:30-13:00 EUSO-TA

M. Casolino

13:00-14:30 *Lunch*

14:30-15:00 EUSO-Balloon

P. Von Ballmoos

15:00-15:30 Mini-EUSO

M. Casolino

15:30-16:00 K-EUSO

P. Klimov

16:00-16:30 *Coffee Break*

Plenary Session 3: Science (from 16:30 to 18:00)

16:30-17:00 TUS results

P. Klimov

17:00-17:30 Probing the Extragalactic Cosmic Rays origin
with gamma-ray and neutrino backgrounds

D. Allard

17:30-18:00 UNIVERSAT - MSU small satellites grouping project

P. Klimov

Tuesday, December 5

Plenary Session 4: EUSO-SPB2 (from 09:00 to 13:00)

Coordinator: L. Wiencke

09:00-09:20	SPB2 intro and science objectives	A. Olinto
09:20-09:40	Instrument overview and open issues	L. Wiencke
09:40-10:10	Optics and UAH update	P.Reardon/J.Adams
10:10-10:40	Gondola and MSFC update	M. Christl
10:40-11:00	Summary of Neutrino through Cherenkov	J. Krizmanic

11:00-11:20 *Coffee Break*

Focal Surface

11:20-11:40	Focal Surface: Fluorescence - update from APC	E.Parizot/G. Prevot
11:40-12:00	Focal Surface: Cherenkov - Design Options	J. Kuznetsov
12:00-12:20	Focal Surface: Cherenkov with SiPM	A. Neronov
12:20-12:40	Data Processing System options for multi PDM camera	G. Osteria
12:40-13:00	Telescope Mechanical, Calibration, Testing	L. Wiencke

13:00-14:30 *Lunch*

Plenary Session 4: EUSO-SPB2 (from 14:30 to 18:00)

Coordinator: L. Wiencke

Simulations

14:30-14:50	Status and outlook of Offline for SPB2	J. Eser
14:50-15:20	SPB2 simulations @Torino High Altitude EAS	M. Bertaina
15:20-15:40	SPB2 Simulations@Lehman High Altitude EAS	J. Soriano
15:40-16:00	Cherenkov/Neutrinos	Z.Wlodarczyk TBC

16:00-16:20 *Coffee Break*

16:20-16:50	Trigger Improvements & options	M. Bertaina
<i>AMS</i>		
16:50 - 17:10	Satellite data and SPB2	A. Anzalone
17:10 - 17:30	IR Camera	Chicago
17:30 - 17:50	Satellite Cloud Images for SPB1	M. Manfrin
17:50 - 18:10	Discussion	

18:30 Social Dinner - Shabu-shabu restaurant KISOJI

Wednesday, December 6

Plenary Session 5: Mini-EUSO (from 09:00 to 13:00)

Coordinator: M. Casolino / P. Klimov

09:00-09:10	Introduction and Status	M. Casolino
09:10-09:20	Status in Russia	P. Klimov
09:20-09:35	Science and Mission performance	M. Bertaina
09:35-09:45	Optics performance	Y. Takizawa
09:45-09:55	Mechanics	M. Ricci
09:55-10:10	Focal Surface up to EC ASIC	G. Prevot
10:10-10:20	PDM-DP (Zynq)	P. Klimov/A. Belov
10:20-10:35	Data Acquisition SW	F. Capel
10:35-10:45	Cameras	S. Turriziani
10:45-11:00	HVPS & Switch	J. Szabelski

11:00-11:20 *Coffee Break*

11:20-11:35	Triggers	F. Capel/M. Bertaina
11:35-11:45	LVPS	G. Cambiè
11:45-12:00	Laser	L. Wiencke
12:00-12:15	Calibration	P. Gorodetzky
12:15-12:30	Quicklook and data analysis	L. Piotrowski
12:30-12:45	Meteor observations with CMOS camera	F. Kajino
12:45-13:00	Discussion	

13:00-14:30 *Lunch*

Plenary Session 6: K-EUSO (from 14:30 to 17:00)

Coordinator: P. Klimov

K-EUSO brief overview. Status and schedule.	P. Klimov
K-EUSO optical system	S. Sharakin by Skype
K-EUSO data processing	A. Belov by Skype
K-EUSO front-end electronics	G. Prevot
K-EUSO LIDAR	A. Neronov
ERC Synergy Grant proposal	E. Parizot
Progress of TUS data analyses	P. Klimov/K. Shinozaki

17:00 *Coffee Break*

EC+PI'S Meeting (from 17:15 to 19:30)

Thursday, December 7

Plenary Session 7: EUSO-SPB1 (from 09:00 to 15:30)

Coordinator: L. Wiencke

09:00-09:20	Overview Paper for Astroparticle Physics Journal	L. Wiencke
09:20-09:35	UV background Estimate	K. Shinozaki
09:35-09:50	IR Camera and Cloud	A. Azalone/ S. Bacholle
09:50-10:05	Update on Thermal Model	G. Medina Tanco/ J. Escobar
10:05-10:20	Technical Paper on SPB1 ground tests/calibration	J. Eser
10:20-10:40	Searching SPB1 data	A. Diaz Damian

10:40-11:00 *Coffee Break*

11:00-11:30	SPB1 Analysis Summary from Torino	M. Bertaina
11:30-11:50	Clouds and Atmospheric Conditions	K. Shinozaki
11:50-12:00	Discussion	

Simulations – Coordinator M. Bertaina

12:00-12:15	General considerations on Analysis and Simulation studies	M. Bertaina
12:15-12:30	ESAF: status and perspectives	F. Fenu
12:30-12:45	OffLine: status and perspectives	J. Eser
12:45-13:00	Discussion	

13:00-14:30 *Lunch*

Plenary Session 7: EUSO-SPB1 (from 14:30 to 15:30)

Coordinator: L. Wiencke

Simulations – Coordinator M. Bertaina

14:30-14:45	Cloudy image analysis from SPB1-UCIRC data and meteo-satellites for TUS	A. Anzalone
14:45-15:00	Considerations about exposure	K. Shinozaki
15:00-15:15	AMONnet first measurements	S. Mackovjak
15:15-15:30	Discussion	

Plenary Session 8: EUSO-Balloon (from 15:30 to 16:45)

Coordinator: P. von Ballmoos

Night time measurement of the UV background

P. Bobik, S. Mackovjak,
K. Shinozaki

Laser direction reconstruction in EUSO-Balloon experiment

J. Eser

The Calibration of EUSO-Balloon using airborne light sources

M. Mastafa, J. Adams,
J. Kuznetsov

The Infrared Camera of EUSO-Balloon

S. Mackovjak, J. Adams
and the Spanish Group

Performance of the EUSO-Balloon optics

A. Diaz

Search for significant background fluctuations

E. Parizot, L. Piotrowski,

The EUSO-Balloon mission

P. von Ballmoos

M. Bertaina, P. von

Ballmoos

16:45 *Coffee Break*

EC+PI'S Meeting (from 17:00 to 18:30)

18:30 Thanks Giving Party - Information Science Building 4F

Friday, December 8

Plenary Session 9: EUSO-TA (from 09:00 to 11:30)

Coordinator: M. Casolino

09:00-09:20	EUSO-TA2: new detector, science objectives, logistics	M. Casolino
09:20-09:40	Automatization, additional hardware, Shift planning	L. Piotrowski
09:40-09:55	DP GPS Storage	G. Osteria/V. Scotti
09:55-10:15	Status of analysis	L. Piotrowski
10:15-10:30	Analysis of detected events and background	F. Bisconti
10:30-10:45	Trigger	M. Bertaina
10:45-11:00	Parasitic Signal	F. Capel
11:00-11:30	Discussion, planning, resources, cost estimation	

11:30-11:45 *Coffee Break*

Plenary Session 10: Publications (from 11:45 to 13:00)

Coordinator: P. Picozza

Publication policy	
Status of publications	M. Ricci

13:00-14:30 *Lunch*

Plenary Session 11: Simulation and analysis coordination

14:30-16:00	Discussion about coordination of data analysis and simulation studies of the different JEM-EUSO projects
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Plenary Session 12: Conclusions (from 16:00 to 16:30)

Coordinator: P. Picozza

Next Collaboration meeting
Conclusions