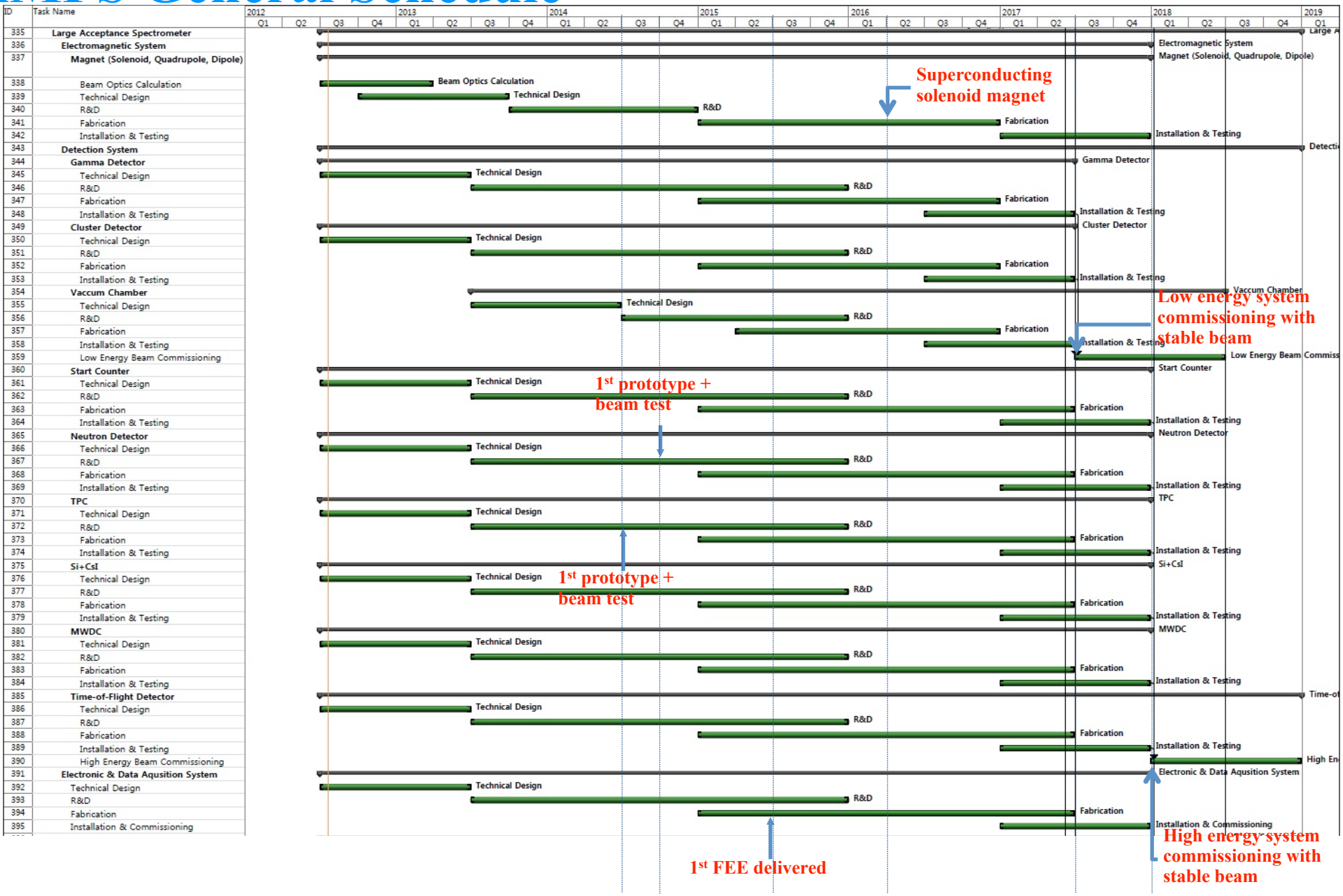
LAMPS Discussion List (my point of view)

Young Jin Kim
RISP/IBS

LAMPS General Schedule



위탁과제 점검회의: **2013/02**

Spectrometer Internal Review: 2013/03 or 04

PAC meeting: 2013/04 or 06

LAMPS Works

335	Large Acceptance Spectrometer
336	Electromagnetic System
337	Magnet (Solenoid, Quadrupole, Dipole)
338	Beam Optics Calculation
339	Technical Design
340	R&D
341	Fabrication
342	Installation & Testing
343	Detection System
344	Gamma Detector
345	Technical Design
346	R&D
347	Fabrication
348	Installation & Testing
349	Cluster Detector
350	Technical Design
351	R&D
352	Fabrication
353	Installation & Testing
354	Vaccum Chamber
355	Technical Design
356	R&D
357	Fabrication
358	Installation & Testing
359	Low Energy Beam Commissioning
360	Start Counter
361	Technical Design
362	R&D
363	Fabrication
364	Installation & Testing
365	Neutron Detector
366	Technical Design
367	R&D
368	Fabrication
369	Installation & Testing
370	TPC
371	Technical Design
372	R&D
373	Fabrication
374	Installation & Testing

Solenoid magnet design: 이효상(부산대), 김도균(사업단)
Optics calculation: 이송교(고려대), 윤종철(사업단)
- **By when?**

Geant simulation: 주은아(고려대), 김현호(전북대)
김영진1(사업단), 장진희(고려대)
Physics: 김은주(전북대)
- **Gamma Detecter prototype?**

Need at both low and high energy setups
Low: target + cluster detector
- **High: from where to where?**

Beam PID and Start Counter
- **What kind of detector?**

Geant simulation, R&D: 주은아, 이기수, 이경세(고려대)
- **Detector material is different?**

Geant simulation, R&D: 장진희(고려대)
이경세(고려대), 안정근(부산대), 김영진1(사업단)

LAMPS Works

375	Si+CsI
376	Technical Design
377	R&D
378	Fabrication
379	Installation & Testing
380	MWDC
381	Technical Design
382	R&D
383	Fabrication
384	Installation & Testing
385	Time-of-Flight Detector
386	Technical Design
387	R&D
388	Fabrication
389	Installation & Testing
390	High Energy Beam Commissioning
391	Electronic & Data Aqusition System
392	Technical Design
393	R&D
394	Fabrication
395	Installation & Commissioning

Geant simulation, R&D: 이수현, 이송교(고려대)
김영진2, 김영진1(사업단)

Geant simulation, R&D: 김영진1(사업단)
- **Focal plane detector?**

Geant simulation, R&D: 주은아, 이기수, 이경세(고려대), 김영진1(사업단)

FEE & DAQ: 안정근, 이효상(부산대), 김영진1, 김영진2, 김용학(사업단)
- **What about other electronics except TPC?**

Need detail plan and schedule
Can we fix all detector components?
Need to estimate realistic number of readout channels for all detectors
International collaboration (e.g. RIKEN, Lanzhou, etc.)

Budget at RISP

Item	Budget (만원)	Item	Budget (만원)
Electronics	2억 5천	Xenon gas	9백
GET chip	4천	CO_2	6십
ASAD board	3천	N_2 gas	3십
COBO board	1천 8백	Gas system	6천
Mutant card	1천 5백	Conductive epoxy	1백
Mutant card crate	2천 4백	Al foil	8십
NaI detector	2천	Havar foil	5백
CsI detector	2천	Aluminized mylar	3백
GEM detector	8백	Kapton foil	1백
Si detector	5백	GEM foil	5백
plastic scintillator	2천	MCP	1천 5백
Leak detector	4천	PMT	2천 1백
Liquid nitrogen	8백	HV supply for PMT	8백
He-4 gas	1백 5십	Multichannel analyzer	5백
Argon gas	1백	Au coated W wire	5백