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# Calorimeter Sessions at the Project X Summer Study

Project X Summer Study

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# Calorimeters in Project X experiments

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- Muon experiments
- Kaon experiments

These two classes of experiments pose different constraints on photon detection requirements

- Energy range MeV to GeV (this is not the LHC or ILC)
  - High resolution (muons) (kaons)
  - Large area veto (kaons)
- Spatial resolution
- Time resolution



# Identifying R&D directions

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- Our approach is to survey existing/proposed experiments, asking the parallel session presenters to address issues that come to the fore at Project X intensities
- We will then use this information to synthesize one or more FWP documents on the time scale of the end of the summer
  - Can required R&D be classified as generic, or is it project-specific?
  - What are the relevant time scales for the work?
  - What budget is required?
  - Who is willing to take responsibility for separate proposals or sections of a unified proposal



# Parallel sessions

	Date	Duration	Type	Title	Presenter
Sat	2012-Jun-16 11:00	00h10'	μ	Introduction	Prof. HITLIN, David
	2012-Jun-16 11:10	00h20'		MEG Calorimeter experience and upgrade	Prof. MOLZON, William
	2012-Jun-16 11:30	00h25'		mu to e gamma (converted), eee	DEJONGH, Fritz
	2012-Jun-16 11:55	00h25'		Mu2e calorimeter design and extrapolation	Prof. HITLIN, David
	2012-Jun-16 16:00	00h25'		New crystal development	Dr. ZHU, Ren-yuan
	2012-Jun-16 16:25	00h25'		PbF2/SiPM beam test	Dr. WINTER, Peter
	2012-Jun-16 16:50	00h30'		Discussion	
Mon	2012-Jun-18 09:00	00h25'	K	Kaon experiment calorimetry requirements	Dr. LITTENBERG, Laurence
	2012-Jun-18 09:25	00h25'		ORKA calorimeter - I	GATTO, Corrado
	2012-Jun-18 09:50	00h25'		ORKA Calorimeter - II	Dr. MAZZACANE, Anna
	2012-Jun-18 10:10	00h25'		KOPIO preradiator and calorimeter	Dr. POBLAGUEV, Andrei
	2012-Jun-18 14:00	00h25'		Teflon-based scintillator	Dr. YEH, Minfang
	2012-Jun-18 14:25	00h25'		KTeV Csl calorimeter	WORCESTER, Elizabeth
	2012-Jun-18 14:50	00h30'		Discussion	

+Wed June 20 Organization for writing of FWP document(s)

