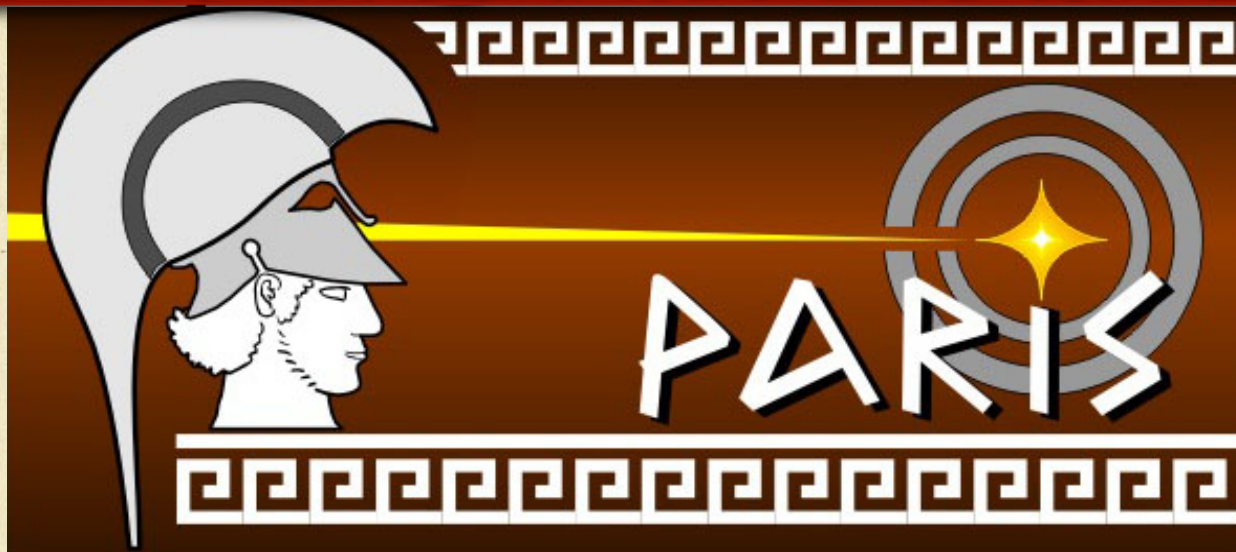


**Adam Maj (IFJ PAN Kraków)**  
*for the PARIS collaboration*

# Strasbourg PARIS Collaboration meeting - Conclusions

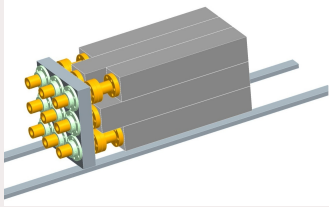
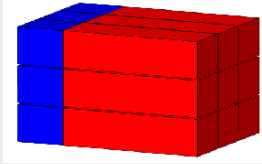
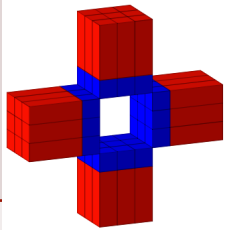
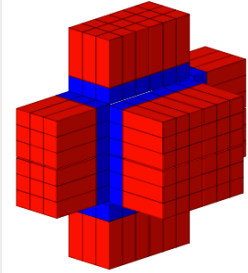
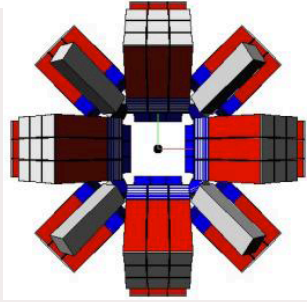
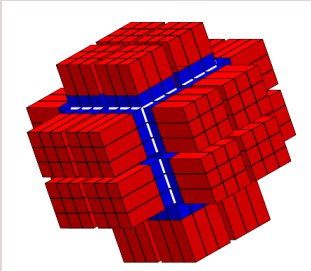
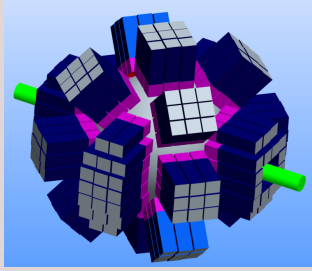


[paris.ifj.edu.pl](http://paris.ifj.edu.pl)

PARIS collaboration meeting  
Strasbourg, January 12-14, 2011



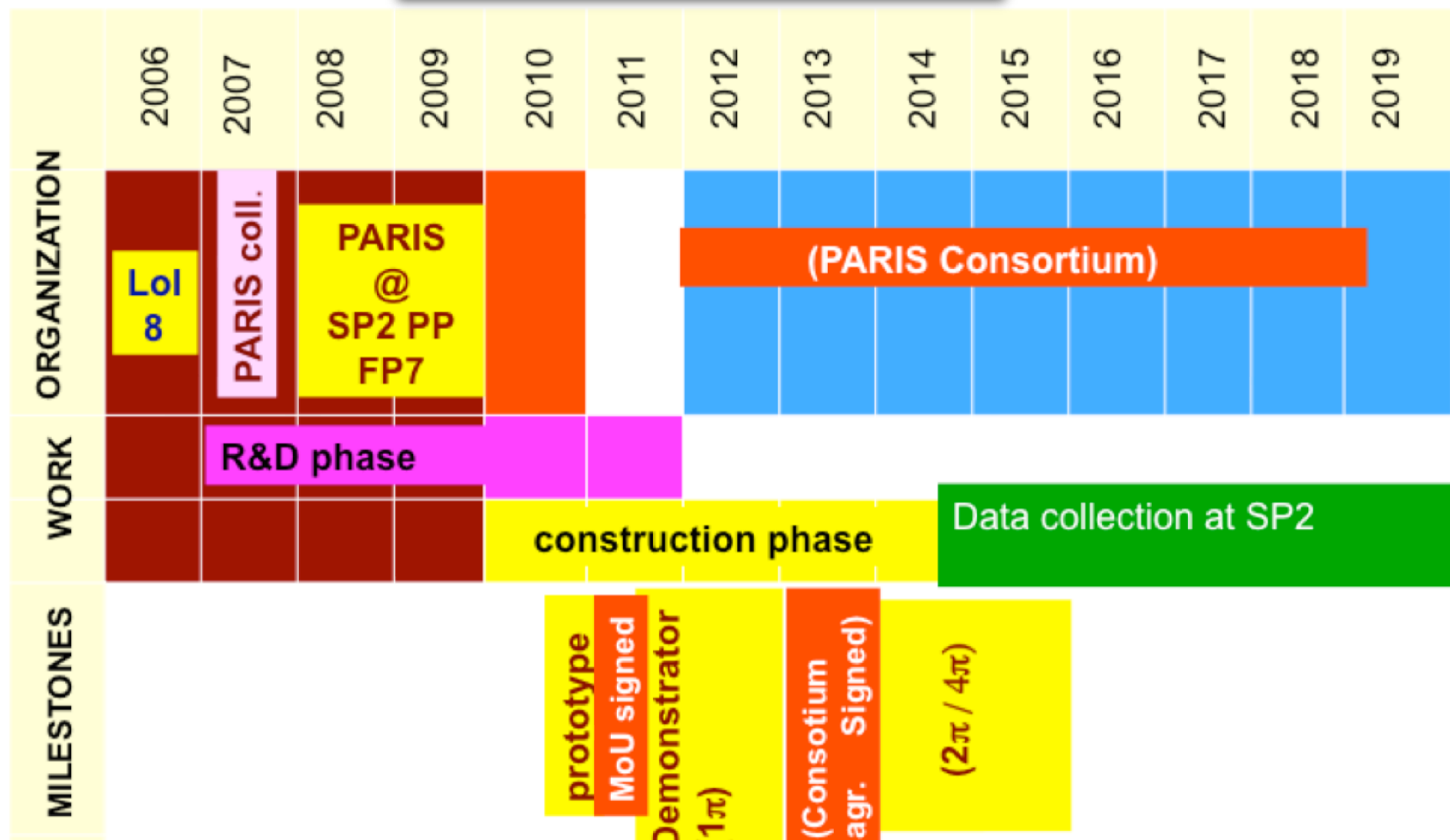
## PARIS phases and costs\*

<p>Phase 1 2011 <b>PARIS Prototype</b></p>	<p>1 cluster: 9 phoswiches</p>	 	<p>220 k€</p>	<p><b>Decided</b> Funds: SP2PP, ANR, Orsay, Strasbourg, Kraków, Mumbai</p> <p>Tests in-beam and with sources</p>
<p>Phase 2 2013 <b>PARIS Demonstrator</b></p>	<p>4 clusters: 36 phoswiches</p>		<p>800 k€</p>	<p><b>Only if Phase1 validated</b> Funds: MoU</p> <p>Ph1Day1 exp@S3</p>
<p>Phase 3 2015 <b>PARIS 2<math>\pi</math></b></p>	<p>12 clusters: 108 phoswiches</p>	 	<p>2.2 M€</p>	<p><b>Only if Phase2 validated</b> Funds: MoU, PARIS consortium</p> <p>Ph2Day1 exp. with AGATA and GASPARD Other exp.</p>
<p>Phase 4 ≈2017 <b>PARIS 4<math>\pi</math></b></p>	<p>24 clusters: 216 phoswiches</p>	 	<p>≈ 4 M€</p>	<p><b>Only if Phase3 validated</b> Funds: PARIS consortium</p> <p>Regular experiments in various labs</p>

Indicated costs are approximations only. Include cost of LaBr<sub>3</sub>+NaI phoswiches, PMs, HV, electronics and mechanics. It is assumed that phoswich solution will work.

\*) Approved by PARIS MB in Jan.2011

# PARIS collaboration timeline



Exp

Flagship experiments  
All others (+ new) exp



## Themes for this PARIS collaboration meeting:

- Approve the PARIS phases: **DONE**
- Decide schedule of the prototype test: **to be done soon**
- Decide the way of developing electronics (e.g. NUMEXO2 + own digitizer?)

Long term – NUMEXO2 seems to be very good solution for experiments in SPIRAL2 and also elsewhere

Short term (prototype) commercial digitizer or home made electronics

- Mechanics for the prototype (cluster of 9 phoswiches)

Proposed by Orsay

- Decide on the realistic simulations and gamma-ray tracking algorithms for PARIS based on phoswiches

Oliver Stezowski will take care to push this

MoU between PARIS partners: ongoing discussion (draft to be prepared by A. Maj, F. Azaiez, D. Jenkins)