

### **Discussions**

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### **Discussion Points**

Collaboration

**Physics Case** 

Schedule

Structure

- Name
- Collaboration
- Experimental proposals
- Schedule
- Organizational structure
  - Collaboration board
- Work tasks





### **Collaboration Name**

Collaboration

#### ❖ Name

Joining

Physics Case

Schedule

Structure

Work Tasks

Any Suggestions?



### **Collaboration Name**

Collaboration

#### ❖ Name

Joining

**Physics Case** 

Schedule

Structure

- Any Suggestions?
- E(U)RICA
- EURICA
- ERICA



### How to Join Collaboration

Collaboration

❖ Name

### Joining

**Physics Case** 

Schedule

Structure

Work Tasks

 Send email to euroball@riken.jp or eurica@riken.jp



### How to Join Collaboration

Collaboration

❖ Name

#### Joining

**Physics Case** 

Schedule

Structure

- Send email to euroball@riken.jp or eurica@riken.jp
- We will send reminder two weeks from now



# Physics Case



# <sup>48</sup>Ca primary Beam

Collaboration

**Physics Case** 

### ❖ <sup>48</sup>Ca

- ★ <sup>78</sup>Kr
- **♦** 86 Kr
- ◆ 124 Xe
- ◆ 136 Xe
- ◆ 238 U
- ❖ Summary

Schedule

Structure

Work Tasks

• Z.H. Li et al., <sup>42</sup>Si region



## <sup>78</sup>Kr primary Beam

#### Collaboration

#### **Physics Case**

❖ <sup>48</sup>Ca

### 

- **♦** 86 Kr
- ◆ 124 Xe
- ◆ 136 Xe
- **♦** 238 U
- Summary

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Work Tasks

B. Rubio et al.

B. Blank et al.

• de Angelis et al.

<sup>58</sup>Zn and above

<sup>59</sup>Ge, <sup>63</sup>Se, <sup>67</sup>Kr

<sup>71</sup>Kr



## <sup>86</sup>Kr primary Beam

Collaboration

**Physics Case** 

- ❖ <sup>48</sup>Ca
- ★ <sup>78</sup>Kr

### ♦ 86 Kr

- ◆ 124 Xe
- ◆ 136 Xe
- **♦** 238 U
- Summary

Schedule

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**Work Tasks** 

Valiente-Dobon et al.

• Sahin et al.

<sup>55</sup>Ca

<sup>77</sup>Ni



## <sup>124</sup>Xe primary Beam

Collaboration

**Physics Case** 

- ❖ <sup>48</sup>Ca
- ★ <sup>78</sup> Kr
- **♦** 86 Kr

### **♦** <sup>124</sup> Xe

- ◆ 136 Xe
- ◆ 238 U
- Summary

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Work Tasks

• A. Gadea et al.

<sup>78</sup>Zr

• M. Letwitowicz, R. Krücken, S. Nishimura et al.

<sup>100</sup>Sn



# <sup>136</sup>Xe primary Beam

Collaboration

**Physics Case** 

- ❖ <sup>48</sup>Ca
- ★ <sup>78</sup>Kr
- **♦** 86 Kr
- <sup>★ 124</sup> Xe

### **❖** <sup>136</sup> Xe

- ◆ 238 U
- Summary

Schedule

Structure

Work Tasks

H. Watanabe et al.

<sup>124</sup>Pd region



## <sup>238</sup>U primary Beam

#### Collaboration

**Physics Case** 

- ❖ <sup>48</sup>Ca
- ★ <sup>78</sup> Kr
- ♦ 86 Kr
- ◆ 124 Xe
- ◆ 136 Xe

### ◆ 238 U

Summary

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Work Tasks

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• D. Verney et al.

S. Nishimura et al.

• G. de Angelis et al.

T. Sumikama et al.

G. Lorusso et al.

• A. Gadea, A. Jungclaus, G. Simpson et al.

H. Watanabe et al.

E. Ideguchi, T. Bäck et al.

Z = 32,34,36,52,54,56

<sup>78</sup>Ni region

<sup>78</sup>Ni

<sup>110</sup>Zr

<sup>110</sup>Zr

<sup>128</sup>Pd region

134Cd region

<sup>170</sup>Dy

<sup>112</sup>Mo region



#### Collaboration

**Physics Case** 

- ❖ <sup>48</sup>Ca
- **❖** <sup>78</sup>Kr
- **♦** 86 Kr
- <sup>★ 124</sup> Xe
- ◆ 136 Xe
- ◆ 238 U

### ❖ Summary

Schedule

Structure

Beam	Experiments
<sup>48</sup> Ca <sup>78</sup> Kr	1
<sup>78</sup> Kr	3
<sup>86</sup> Kr	2
<sup>124</sup> Xe	2
<sup>136</sup> Xe	1
<sup>238</sup> U	9

## **Summary of Experiments**

#### Collaboration

**Physics Case** 

- ❖ <sup>48</sup>Ca
- **❖** <sup>78</sup>Kr
- **♦** 86 Kr
- ◆ 124 Xe
- **❖** <sup>136</sup>Xe
- ◆ 238 U

### ❖ Summary

Schedule

Structure

Beam	Experiments
<sup>48</sup> Ca	1
<sup>78</sup> Kr	3
<sup>86</sup> Kr	2
<sup>124</sup> Xe	2
<sup>136</sup> Xe	1
<sup>238</sup> U	9

Country	Experiments
Japan	7.83
Italy	4.00
France	2.66
Spain	2.66
Sweden	0.50
Germany	0.33



# Schedule

### E(U)RICA Status and Time-line

- April: Sent Letter of Intent to Gammapool
- Last week: Construction proposal for 9<sup>th</sup> RIBF NP-PAC submitted
- Today: 1<sup>st</sup> E(U)RICA Workshop
- Proposed time-line:

Time	2011							2012				
Task	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar
Letter of Intent												
Last PreSpec Experiment												
E(U)RICA Workshop												
Construction Proposal												
Disass. of PreSpec Array												
MoU and Proposal												
Shipment of Support Structure												
Shipment of Electronics												
Shipment of Detectors												
Construction of LN2 Pipeline												
Construction of Rail System												
Assembling of E(U)RICA												
Beam Time at RIBF												
E(U)RICA Commissioning												
RIBF NP-PAC Meeting												
E(U)RICA Experiments												

# Organizational Structure

### Organizational Structure

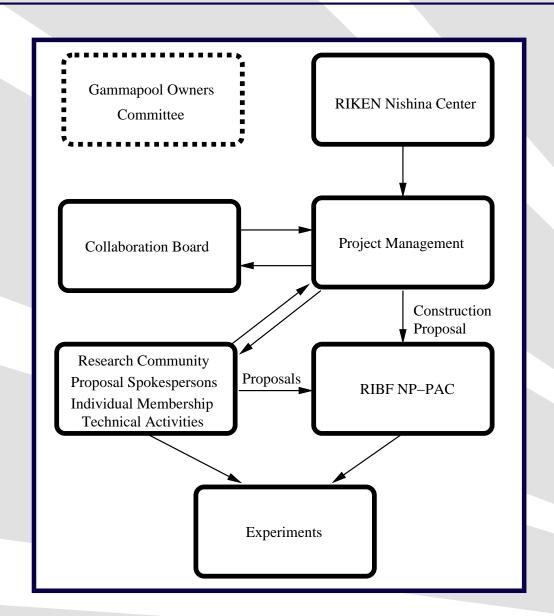
Collaboration

**Physics Case** 

Schedule

Structure

### Structure



# 37

# Work Tasks

Collaboration

**Physics Case** 

Schedule

Structure

Work Tasks

- Infrastructure
  - Liquid nitrogen pipeline
  - Liquid nitrogen filling system
  - UPS system
  - power converter
  - cables
- Mechanics
  - support structure
  - rail system
- Logistics
  - Shipment of detectors, electronics, support structure
- Electronics
- Data acquisition and analysis



## **Summary**

Collaboration

Physics Case

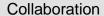
Schedule

Structure

Work Tasks



# THE END



**Physics Case** 

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# Backup slides from now