

# LYSO:Ce and LuYAG:Pr light yield and energy resolution comparison

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ABSTRACT: bla-bla-bla

KEYWORDS: LYSO:Ce, LuYAG:Pr, Scintillator light yield, Energy resolution of PMT detector,  
Light collection Monte Carlo simulation .

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## 1. Introduction

Íaíðaaíeæañeæa nõeíðeëëβoíðú eāðapò aaæíóp ðíeu á aaòáeðeðíaaíeè oíòííá. Nõeíðeëëβoíðú eíapò øeðíeíá íðæðeæañeíá íðeíáíáíeá á øeçeæa áûñíeéé ýíáðæé è íääeøeíñeè ðáíòaaííañeè ðeáíðað. Íñíáíúá ððááíáaíeβ, íðáaúβæβáíúá è nõeíðeëëβoíðó - ýoí áûñíeíá ýíáðaaðeæañeíá ðaçðáøáíeá, íæíá áðáíβ áûñáaæeáaíeβ è áûñíeáβ íñòáraæeæáapúaβ ñíñíáíñòu. Ía aáííúé íñáíð ñóuáñðáoóáð íaðíííá eíeæeáñðáí ðaçeæeíúð æeáíá nõeíðeëëβoíá, ñáíeñðaa eíòíðúð aaðueðópòñβ á øeðíeè ðááaaæað [1].

## 2. Energy resolution of the detector

## 3. Experiment

## 4. Monte Carlo simulation

## **5. Results and discussion**

## **6. Energy resolution of the detector**

## **7. Conclusion**

## **8. Acknowledgements**

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