






INSPIRE & HEPData

HEPData Users' Meeting, January 2025

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INSPIRE Product Manager

Context

First Measurement of $a_2^0(1320)$ Polarized Photoproduction Cross Section #1
GlueX Collaboration • F. Afzal et al. (Jan 6, 2025)
e-Print: [2501.03091](#) [nucl-ex]

 pdf  cite  datasets  claim  reference search  0 citations

- INSPIRE Literature search results have links to HEPData when available
- But currently no Data & Software records (partially implemented on old platform)
 - No citation tracking
 - No direct search for data records
 - Not present on author profiles
 - ...
- We want to fix that!

**Slogan: “First class
Data & Software”**

High-level objectives

- Help & incentivize researchers to make their Data & Software FAIR
- Collect & index all Data & Software products relevant for HEP
- Give credit to authors of Data & Software (author profiles, citations)
- Avoid manual work for INSPIRE team

Implementation will require significant time and efforts (multiple years)

Short-term goal: Data^{beta}

- Create INSPIRE records only for HEPData
- Search
- Detailed record view
- Citation tracking (linking, counting) based on DOIs in references
- Author profiles

Release planned for Q1'25

Multiplicity dependence of Υ production at forward rapidity in pp collisions at $\sqrt{s} = 13$ TeV

ALICE Collaboration

DOI: [10.17182/hepdata.156765](https://doi.org/10.17182/hepdata.156765) (data) [Show All\(8\)](#)

Abstract: (hepdata)

The measurement of $\Upsilon(1S)$, $\Upsilon(2S)$, and $\Upsilon(3S)$ yields as a function of the charged-particle multiplicity density $dN_{ch}/d\eta$, using the ALICE experiment at the LHC, is reported in pp collisions at $\sqrt{s} = 13$ TeV. The Υ meson yields are measured at forward rapidity ($2.5 < y < 4$) in the dimuon decay channel, whereas the charged-particle multiplicity is defined at central rapidity ($|\eta| < 1$). Both quantities are divided by their average value in minimum bias events to compute the self-normalized quantities.

INSPIRE paper: [Multiplicity dependence of \$\Upsilon\$ production at forward rapidity in pp collisions at \$\sqrt{s} = 13\$ TeV](#)

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Multiplicity dependence of Υ production at forward rapidity in pp collisions at $\sqrt{s} = 13$ TeV

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8 DOIs

✕

[10.17182/hepdata.156765 \(data\)](#), [10.17182/hepdata.156765.v1/t1 \(part\)](#), [10.17182/hepdata.156765.v1/t2 \(part\)](#), [10.17182/hepdata.156765.v1/t3 \(part\)](#), [10.17182/hepdata.156765.v1/t4 \(part\)](#), [10.17182/hepdata.156765.v1/t5 \(part\)](#), [10.17182/hepdata.156765.v1/t6 \(part\)](#), [10.17182/hepdata.156765 \(version\)](#)

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Questions or suggestions?
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