HepData vs INSPIRE

Piotr Praczyk (piotr.praczyk@gmail.com)

Disclaimer: All the screenshots come from the deployed (not the most recent) version.
Most of the discussed changes (modulo my memory), have been implemented.
All the characters appearing in the presentation are fictional.
All the resemblance to real people is not intentional.

BATTLE: 1

KOMBAT ZONE:

THE DEAD POOL

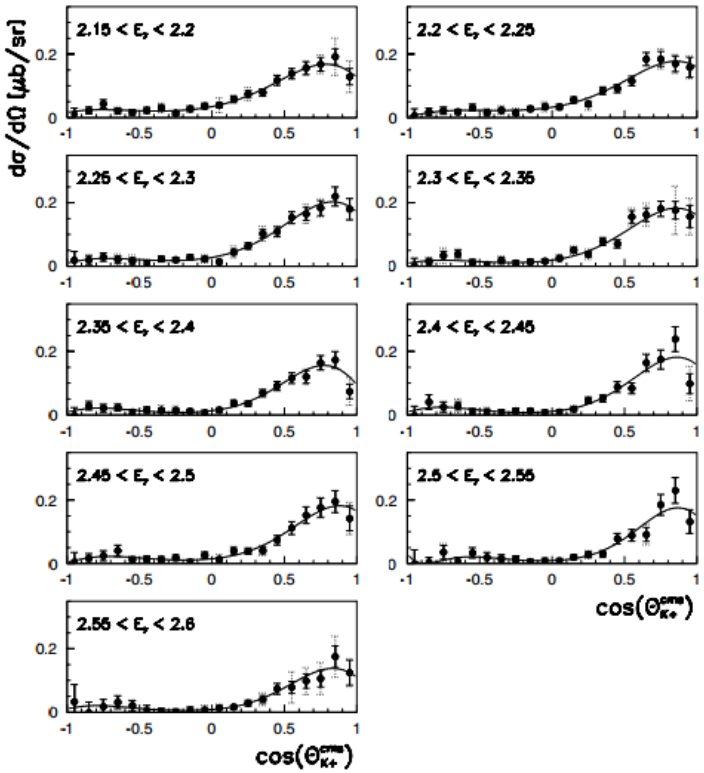

Fig. 17. Differential cross-sections of $\gamma p \to K^+ \Sigma^0$ for photon energies 2.15 GeV $< E_\gamma <$ 2.6 GeV. The solid and dashed bars represent the errors σ_w and σ_d, respectively (see text). The solid lines describe fits of Legendre polynomials to the data.

Table 2. Systematic errors on the normalization of cross-sections for the reactions $\gamma p \to K^+ \Lambda$ and $\gamma p \to K^+ \Sigma^0$ in two energy ranges. A positive (negative) background value means that the calculated cross-section is underestimated (overestimated) by the given fraction.

	$\gamma p \to K^+ \Lambda$		$\gamma p \to K^+ \Sigma^0$	
	$E_\gamma <$ 1.8 GeV	$E_\gamma >$ 1.8 GeV	$E_\gamma <$ 1.8 GeV	$E_\gamma >$ 1.8 GeV
Probability cut $P_{kin}(\chi^2) > 10^{-10}$	+5%	+5%	+5%	+5%
Background from $\gamma p \to p\pi^+\pi^-$, $\gamma p \to p\pi^+\pi^-\pi^0$ $\gamma p \to K^+\Lambda\pi^0$and $\gamma p \to K^0\Lambda\pi^+$	−5%	−7%	−7%	−14%

For the reaction $\gamma p \to K^+ \Sigma^0$ the polarization vector of the Σ^0 is related to the polarization vector of the Λ produced in the decay $\Sigma^0 \to \Lambda\gamma$ [21]:

over the flight directions of Λ yields

$$\langle P_\Lambda \rangle_{u_\Lambda} = -\frac{1}{3} P_{\Sigma^0},$$

Table 16 (F 17.) HIDE DATA or as: plain text, AIDA, PyROOT, YODA, ROOT, mpl or jhepwork
Differential cross sections for the reaction GAMMA P --> K+ SIGMA0 in the energy region 2.15 to 2.35 GeV..

	E(P=1) : 2.150 TO 2.200 GeV	2.200 TO 2.250 GeV	2.250 TO 2.300 GeV	2.300 TO 2.350 GeV
	RE : GAMMA P --> K+ SIGMA0			
	SQRT(S) : 2.217-2.238 GeV	2.238-2.259 GeV	2.259-2.279 GeV	2.279-2.3 GeV
COS(THETA(P=3,RF=CM))	DSIG/DOMEGA IN MUB/SR			

HIDE DATA

-1.0 – -0.9	0.011 ± 0.019 (stat) ± 0.019 (sys)	0.008 ± 0.020 (stat) ± 0.020 (sys)	0.019 ± 0.028 (stat) ± 0.028 (sys)	0.003 ± 0.021 (stat) ± 0.021 (sys)
-0.9 – -0.8	0.022 ± 0.011 (stat) ± 0.011 (sys)	0.018 ± 0.012 (stat) ± 0.012 (sys)	0.020 ± 0.014 (stat) ± 0.014 (sys)	0.014 ± 0.015 (stat) ± 0.010 (sys)
-0.8 – -0.7	0.043 ± 0.013 (stat) ± 0.013 (sys)	0.021 ± 0.012 (stat) ± 0.012 (sys)	0.029 ± 0.013 (stat) ± 0.013 (sys)	0.033 ± 0.025 (stat) ± 0.014 (sys)
-0.7 – -0.6	0.021 ± 0.011 (stat) ± 0.009 (sys)	0.018 ± 0.008 (stat) ± 0.008 (sys)	0.021 ± 0.018 (stat) ± 0.011 (sys)	0.039 ± 0.013 (stat) ± 0.013 (sys)
-0.6 – -0.5	0.016 ± 0.009 (stat) ± 0.009 (sys)	0.032 ± 0.011 (stat) ± 0.011 (sys)	0.016 ± 0.019 (stat) ± 0.010 (sys)	0.011 ± 0.010 (stat) ± 0.010 (sys)
-0.5 – -0.4	0.023 ± 0.009 (stat) ± 0.009 (sys)	0.016 ± 0.013 (stat) ± 0.007 (sys)	0.011 ± 0.010 (stat) ± 0.007 (sys)	0.006 ± 0.007 (stat) ± 0.006 (sys)
-0.4 – -0.3	0.031 ± 0.015 (stat) ± 0.010 (sys)	0.023 ± 0.013 (stat) ± 0.008 (sys)	0.023 ± 0.009 (stat) ± 0.009 (sys)	0.018 ± 0.014 (stat) ± 0.010 (sys)
-0.3 – -0.2	0.014 ± 0.008 (stat) ± 0.007 (sys)	0.015 ± 0.015 (stat) ± 0.007 (sys)	0.020 ± 0.008 (stat) ± 0.008 (sys)	0.011 ± 0.007 (stat) ± 0.006 (sys)
-0.2 – -0.1	0.027 ± 0.010 (stat) ± 0.008 (sys)	0.028 ± 0.008 (stat) ± 0.008 (sys)	0.028 ± 0.008 (stat) ± 0.008 (sys)	0.014 ± 0.008 (stat) ± 0.007 (sys)
-0.1 – 0.00	0.036 ± 0.009 (stat) ± 0.009 (sys)	0.034 ± 0.016 (stat) ± 0.008 (sys)	0.023 ± 0.013 (stat) ± 0.008 (sys)	0.016 ± 0.006 (stat) ± 0.006 (sys)
0.00 – 0.1	0.039 ± 0.023 (stat) ± 0.009 (sys)	0.033 ± 0.011 (stat) ± 0.008 (sys)	0.014 ± 0.012 (stat) ± 0.006 (sys)	0.025 ± 0.012 (stat) ± 0.007 (sys)
0.1 – 0.2	0.058 ± 0.012 (stat) ± 0.010 (sys)	0.055 ± 0.009 (stat) ± 0.009 (sys)	0.045 ± 0.019 (stat) ± 0.009 (sys)	0.051 ± 0.013 (stat) ± 0.009 (sys)
0.2 – 0.3	0.075 ± 0.020 (stat) ± 0.011 (sys)	0.042 ± 0.019 (stat) ± 0.008 (sys)	0.064 ± 0.010 (stat) ± 0.010 (sys)	0.037 ± 0.016 (stat) ± 0.008 (sys)
0.3 – 0.4	0.079 ± 0.011 (stat) ± 0.011 (sys)	0.085 ± 0.012 (stat) ± 0.012 (sys)	0.102 ± 0.024 (stat) ± 0.013 (sys)	0.078 ± 0.012 (stat) ± 0.012 (sys)
0.4 – 0.5	0.117 ± 0.017 (stat) ± 0.015 (sys)	0.092 ± 0.014 (stat) ± 0.013 (sys)	0.109 ± 0.018 (stat) ± 0.015 (sys)	0.070 ± 0.013 (stat) ± 0.013 (sys)
0.5 – 0.6	0.138 ± 0.017 (stat) ± 0.017 (sys)	0.115 ± 0.015 (stat) ± 0.015 (sys)	0.153 ± 0.018 (stat) ± 0.018 (sys)	0.156 ± 0.028 (stat) ± 0.020 (sys)
0.6 – 0.7	0.156 ± 0.022 (stat) ± 0.020 (sys)	0.184 ± 0.021 (stat) ± 0.021 (sys)	0.165 ± 0.030 (stat) ± 0.021 (sys)	0.162 ± 0.036 (stat) ± 0.021 (sys)
0.7 – 0.8	0.168 ± 0.030 (stat) ± 0.021 (sys)	0.185 ± 0.022 (stat) ± 0.022 (sys)	0.183 ± 0.028 (stat) ± 0.022 (sys)	0.181 ± 0.024 (stat) ± 0.024 (sys)

The Durham HepData Project

Durham University

Reaction Database Standard Search Interface

Database of Numerical HEP scattering cross sections

Enter query: Search

examples: re gamma gamma, re p p --> p p and obs sig, exp cern

Search Help — Output Help — Form Search — Browse Keywords — **Latest LHC DATA**

To search the database: Enter your query command comprising keyword-value pairs joined with Boolean ANDs. A null entry will retrieve all records.
The basic keywords are:
reac - the reaction (eg. p p --> charged x) also **beam** and **fsp.**
obs - the observable (eg. SIG, DSIG/DX, DN/DPT).
sqrts - lower bound of the centre-of-mass energy in GeV.
exp - the experiment/laboratory name (eg. ZEUS, CERN, LHC).
date - the year of the publication/preprint.
auth - the first author name on the paper.
ref - the publication/preprint reference.
Use % as the right or left trunction character to search for values beginning or ending with the value. All searches are **case-insensitive.** More details are in the Search Help

Quick link to HepData data reviews

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- Drell-Yan cross-sections
- Inclusive particle production data in e+ e- interactions
- Hadronic total cross-sections (R) in e+e- interactions
- Low-energy neutrino cross-sections
- Event shapes in lepton-lepton and lepton-nucleon interactions

Predefined event shape / jet searches

- Event shapes (thrust, etc...)
- Event shapes in e+e- collisions
- Event shapes in non-e+e- collisions
- Jet production (in any process)
- Jet production in e+e- collisions
- Jet production in non-e+e- collisions

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IP3

Science & Technology Facilities Council

Measurement of gamma p ---> K+ Lambda and gamma p ---> K+ Sigma0 at photon energies up to 2.6-GeV.

K.H. Glander, J. Barth, W. Braun, J. Hannappel, N. Jopen, F. Klein, E. Klempt, R. Lawall, J. Link, D. Menze *et al.* *Show all 19 authors*.

Aug 2003
21 pp.

Eur.Phys.J. A19 (2004) 251-273
DOI: 10.1140/epja/i2003-10119-x
e-Print: nucl-ex/0308025 [nucl-ex] PDF

Abstract: The reactions gamma p --> K+ Lambda and gamma p --> K+ Sigma0 were measured in the energy range from threshold up to a photon energy of 2.6 GeV. The data were taken with the SAPHIR detector at the electron stretcher facility, ELSA. Results on cross sections and hyperon polarizations are presented as a function of kaon production angle and photon energy. The total cross section for Lambda production rises steeply with energy close to threshold, whereas the Sigma0 cross section rises slowly to a maximum at about E_gamma = 1.45 GeV. Cross sections together with their angular decompositions into Legendre polynomials suggest contributions from resonance production for both reactions. In general, the induced polarization of Lambda has negative values in the kaon forward direction and positive values in the backward direction. The magnitude varies with energy. The polarization of Sigma0 follows a similar angular and energy dependence as that of Lambda, but with opposite sign.

Note: 21 pages, 25 figures, submitted to Eur. Phys. J. A

Keyword(s): INSPIRE: photon p: inelastic scattering | Lambda: photoproduction | Sigma0: photoproduction | K+: associated production | hyperon: hadronic decay | hyperon: polarization | angular distribution | energy dependence | magnetic spectrometer: experimental results | Bonn ELSA Stor | photon p --> Lambda K+ | photon p --> Sigma0 K+ | 2.6 GeV

Record created 2003-08-27, last modified 2012-09-22


STAR
THE
INSPIRE
STRIKES BACK

Measurement of gamma p ---> K+ Lambda and gamma p ---> K+ Sigma0 at photon energies up to 2.6-GeV.

K.H. Glander, J. Barth, W. Braun, J. Hannappel, N. Jopen, F. Klein, E. Klempt, R. Lawall, J. Link, D. Menze *et al.* *Show all 19 authors*.

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Abstract: The reactions gamma p --> K+ Lambda and gamma p --> K+ Sigma0 were measured in the energy range from threshold up to a photon energy of 2.6 GeV. The data were taken with the SAPHIR detector at the electron stretcher facility, ELSA. Results on cross sections and hyperon polarizations are presented as a function of kaon production angle and photon energy. The total cross section for Lambda production rises steeply with energy close to threshold, whereas the Sigma0 cross section rises slowly to a maximum at about E_gamma = 1.45 GeV. Cross sections together with their angular decompositions into Legendre polynomials suggest contributions from resonance production for both reactions. In general, the induced polarization of Lambda has negative values in the kaon forward direction and positive values in the backward direction. The magnitude varies with energy. The polarization of Sigma0 follows a similar angular and energy dependence as that of Lambda, but with opposite sign.

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Measurement of gamma p ---> K+ Lambda and gamma p ---> K+ Sigma0 at photon energies up to 2.6-GeV - Glander, K.H. *et al.* Eur.Phys.J. A19 (2004) 251-273
nucl-ex/0308025

This data comes from the Durham HEPData project

SUMMARY:

Comments: Differential cross sections for the reaction GAMMA P --> K+ LAMBDA in the energy region 0.9 to 1.0 GeV..

Table

Plain

↑↑↑Plot↑↑↑

	$E_1 \in (0.900, 0.925)\,GeV$	$\in (0.925, 0.950)\,GeV$	$\in (0.950, 0.975)\,GeV$	$\in (0.975, 1.000)\,GeV$
	$\sqrt{s} = 1.603 - 1.617\,GeV$	$= 1.617 - 1.632\,GeV$	$= 1.632 - 1.646\,GeV$	$= 1.646 - 1.66\,GeV$
	$GAMMA\,p \to K^+\,\Lambda$			
$COS(\Theta_3^{CM})$	$d\sigma/d\Omega\,(MUB/SR)$			

↓↓↓Expand↓↓↓

Comments: Differential cross sections for the reaction GAMMA P --> K+ LAMBDA in the energy region 1.0 to 1.2 GeV..

Table

Plain

↑↑↑Plot↑↑↑

	$E_1 \in (1.000, 1.050)\,GeV$	$\in (1.050, 1.100)\,GeV$	$\in (1.100, 1.150)\,GeV$	$\in (1.150, 1.200)\,GeV$
	$\sqrt{s} = 1.66 - 1.688\,GeV$	$= 1.688 - 1.716\,GeV$	$= 1.716 - 1.743\,GeV$	$= 1.743 - 1.769\,GeV$
	$GAMMA\,p \to K^+\,\Lambda$			
$COS(\Theta_3^{CM})$	$d\sigma/d\Omega\,(MUB/SR)$			

↓↓↓Expand↓↓↓

Comments: Differential cross sections for the reaction GAMMA P --> K+ LAMBDA in the energy region 1.2 to 1.4 GeV..

Table

Plain ↑↑↑

[Measurement of gamma p ---> K+ Lambda and gamma p ---> K+ Sigma0 at photon energies up to 2.6-GeV]

Comments: Differential cross sections for the reaction GAMMA P --> K+ SIGMA0 in the energy region 2.15 to 2.35 GeV..

Table

Plain

↑↑↑Plot↑↑↑

	$E_1 \in (2.150, 2.200)\,GeV$	$\in (2.200, 2.250)\,GeV$	$\in (2.250, 2.300)\,GeV$	$\in (2.300, 2.350)\,GeV$
	$\sqrt{s} = 2.217 - 2.238\,GeV$	$= 2.238 - 2.259\,GeV$	$= 2.259 - 2.279\,GeV$	$= 2.279 - 2.3\,GeV$
	$GAMMA\,p \to K^+\,\Sigma^0$			
$COS(\Theta_3^{CM})$	$d\sigma/d\Omega\,(MUB/SR)$			

↑↑↑Collapse↑↑↑

-1.0 - -0.9	0.011 ± 0.019 (stat) ± 0.019 (sys)	0.008 ± 0.020 (stat) ± 0.020 (sys)	0.019 ± 0.028 (stat) ± 0.028 (sys)	0.003 ± 0.021 (stat) ± 0.021 (sys)
-0.9 - -0.8	0.022 ± 0.011 (stat) ± 0.011 (sys)	0.018 ± 0.012 (stat) ± 0.012 (sys)	0.020 ± 0.014 (stat) ± 0.014 (sys)	0.014 ± 0.015 (stat) ± 0.010 (sys)
-0.8 - -0.7	0.043 ± 0.013 (stat) ± 0.013 (sys)	0.021 ± 0.012 (stat) ± 0.012 (sys)	0.029 ± 0.013 (stat) ± 0.013 (sys)	0.033 ± 0.025 (stat) ± 0.014 (sys)
-0.7 - -0.6	0.021 ± 0.011 (stat) ± 0.009 (sys)	0.018 ± 0.008 (stat) ± 0.008 (sys)	0.021 ± 0.018 (stat) ± 0.011 (sys)	0.039 ± 0.013 (stat) ± 0.013 (sys)
-0.6 - -0.5	0.016 ± 0.009 (stat) ± 0.009 (sys)	0.032 ± 0.011 (stat) ± 0.011 (sys)	0.016 ± 0.019 (stat) ± 0.010 (sys)	0.011 ± 0.010 (stat) ± 0.010 (sys)
-0.5 - -0.4	0.023 ± 0.009 (stat) ± 0.009 (sys)	0.016 ± 0.013 (stat) ± 0.007 (sys)	0.011 ± 0.010 (stat) ± 0.007 (sys)	0.006 ± 0.007 (stat) ± 0.006 (sys)
-0.4 - -0.3	0.031 ± 0.015 (stat) ± 0.010 (sys)	0.023 ± 0.013 (stat) ± 0.008 (sys)	0.023 ± 0.009 (stat) ± 0.009 (sys)	0.018 ± 0.014 (stat) ± 0.010 (sys)
-0.3 - -0.2	0.014 ± 0.008 (stat) ± 0.007 (sys)	0.015 ± 0.015 (stat) ± 0.007 (sys)	0.020 ± 0.008 (stat) ± 0.008 (sys)	0.011 ± 0.007 (stat) ± 0.006 (sys)
-0.2 - -0.1	0.027 ± 0.010 (stat) ± 0.008 (sys)	0.028 ± 0.008 (stat) ± 0.008 (sys)	0.028 ± 0.008 (stat) ± 0.008 (sys)	0.014 ± 0.008 (stat) ± 0.007 (sys)
-0.1 - 0.00	0.036 ± 0.009 (stat) ± 0.009 (sys)	0.034 ± 0.016 (stat) ± 0.008 (sys)	0.023 ± 0.013 (stat) ± 0.008 (sys)	0.016 ± 0.006 (stat) ± 0.006 (sys)
0.00 - 0.1	0.039 ± 0.023 (stat) ± 0.009 (sys)	0.033 ± 0.011 (stat) ± 0.008 (sys)	0.014 ± 0.012 (stat) ± 0.006 (sys)	0.025 ± 0.012 (stat) ± 0.007 (sys)
0.1 - 0.2	0.058 ± 0.012 (stat) ± 0.010 (sys)	0.055 ± 0.009 (stat) ± 0.009 (sys)	0.045 ± 0.019 (stat) ± 0.009 (sys)	0.051 ± 0.013 (stat) ± 0.009 (sys)
0.2 - 0.3	0.075 ± 0.020 (stat) ± 0.011 (sys)	0.042 ± 0.019 (stat) ± 0.008 (sys)	0.064 ± 0.010 (stat) ± 0.010 (sys)	0.037 ± 0.016 (stat) ± 0.008 (sys)
0.3 - 0.4	0.079 ± 0.011 (stat) ± 0.011 (sys)	0.085 ± 0.012 (stat) ± 0.012 (sys)	0.102 ± 0.024 (stat) ± 0.013 (sys)	0.078 ± 0.012 (stat) ± 0.012 (sys)
0.4 - 0.5	0.117 ± 0.017 (stat) ± 0.015 (sys)	0.092 ± 0.014 (stat) ± 0.013 (sys)	0.109 ± 0.018 (stat) ± 0.015 (sys)	0.070 ± 0.013 (stat) ± 0.013 (sys)
0.5 - 0.6	0.138 ± 0.017 (stat) ± 0.017 (sys)	0.115 ± 0.015 (stat) ± 0.015 (sys)	0.153 ± 0.018 (stat) ± 0.018 (sys)	0.156 ± 0.028 (stat) ± 0.020 (sys)
0.6 - 0.7	0.156 ± 0.022 (stat) ± 0.020 (sys)	0.184 ± 0.021 (stat) ± 0.021 (sys)	0.165 ± 0.030 (stat) ± 0.021 (sys)	0.162 ± 0.036 (stat) ± 0.021 (sys)
0.7 - 0.8	0.168 ± 0.029 (stat) ± 0.021 (sys)	0.185 ± 0.032 (stat) ± 0.023 (sys)	0.183 ± 0.028 (stat) ± 0.023 (sys)	0.181 ± 0.024 (stat) ± 0.024 (sys)
0.8 - 0.9	0.192 ± 0.059 (stat) ± 0.025 (sys)	0.169 ± 0.030 (stat) ± 0.025 (sys)	0.22 ± 0.03 (stat) ± 0.03 (sys)	0.176 ± 0.076 (stat) ± 0.028 (sys)
0.9 - 1.0	0.129 ± 0.050 (stat) ± 0.026 (sys)	0.159 ± 0.036 (stat) ± 0.031 (sys)	0.180 ± 0.034 (stat) ± 0.034 (sys)	0.157 ± 0.058 (stat) ± 0.035 (sys)

Record created 2012-08-23, last modified 2012-08-31

Separate records

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001172799 005__ 20120831055350.0
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001172799 336__ $$tDATASET
001172799 520__ $$9HEPDATA
001172799 6531_ $$c0$$k$$v 
001172799 6531_ $$c4$$c3$$c2$$c1$$rGAMMA P --&gt; K+ SIGMA0
001172799 6531_ $$c0$$k$$v 
001172799 6531_ $$c1$$kSQRT(S)$$v2.217-2.238 GeV
001172799 6531_ $$c2$$k$$v2.238-2.259 GeV
001172799 6531_ $$c3$$k$$v2.259-2.279 GeV
001172799 6531_ $$c4$$k$$v2.279-2.3 GeV
001172799 786__ $$h(  F 17.  )$$q16$$rnucl-ex/0308025$$w626695
001172799 8564_ $$uhttp://inspirehep.net/record/1172799/files/Data.plain$$ydata extracted from the table
001172799 910__ $$dCOS(THETA(P=3,RF=CM))$$n0$$t 
001172799 910__ $$dDSIG/DOMEGA IN MUB/SR$$n1$$tE(P=1) : 2.150 TO 2.200 GeV
001172799 910__ $$dDSIG/DOMEGA IN MUB/SR$$n2$$t2.200 TO 2.250 GeV
001172799 910__ $$dDSIG/DOMEGA IN MUB/SR$$n3$$t2.250 TO 2.300 GeV
001172799 910__ $$dDSIG/DOMEGA IN MUB/SR$$n4$$t2.300 TO 2.350 GeV
001172799 980__ $$aDATA
```

- Table headers in MARC
- Data in attached file
- Data can be downloaded in a plain text format


BATTLE: 3
KOMBAT ZONE:
THE DEAD POOL
GAMESPOT

Plotting of the data

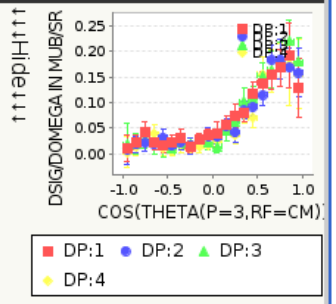
Comments: Differential cross sections for the reaction GAMMA P --> K+ SIGMA0 in the energy region 2.15 to 2.35 GeV..

Table

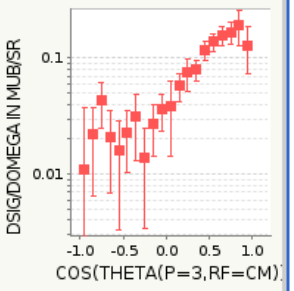
Plain

↑↑↑Collapse↑↑↑

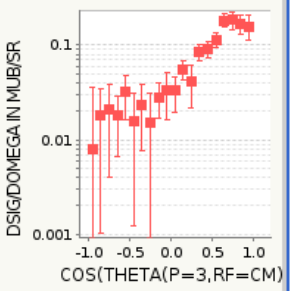
$COS(\Theta_3^{CM})$	$E_1 \in (2.150, 2.200)\,GeV$ $\sqrt{s} = 2.217 - 2.238\,GeV$	$\in (2.200, 2.250)\,GeV$ $= 2.238 - 2.259\,GeV$	$\in (2.250, 2.300)\,GeV$ $= 2.259 - 2.279\,GeV$	$\in (2.300, 2.350)\,GeV$ $= 2.279 - 2.3\,GeV$
	$GAMMA\,p \to K^+\,\Sigma^0$			
	$d\sigma/d\Omega\,(MUB/SR)$			
-1.0 - -0.9	0.011 ± 0.019 (stat) ± 0.019 (sys)	0.008 ± 0.020 (stat) ± 0.020 (sys)	0.019 ± 0.028 (stat) ± 0.028 (sys)	0.003 ± 0.021 (stat) ± 0.021 (sys)
-0.9 - -0.8	0.022 ± 0.011 (stat) ± 0.011 (sys)	0.018 ± 0.012 (stat) ± 0.012 (sys)	0.020 ± 0.014 (stat) ± 0.014 (sys)	0.014 ± 0.015 (stat) ± 0.010 (sys)
-0.8 - -0.7	0.043 ± 0.013 (stat) ± 0.013 (sys)	0.021 ± 0.012 (stat) ± 0.012 (sys)	0.029 ± 0.013 (stat) ± 0.013 (sys)	0.033 ± 0.025 (stat) ± 0.014 (sys)
-0.7 - -0.6	0.021 ± 0.011 (stat) ± 0.009 (sys)	0.018 ± 0.008 (stat) ± 0.008 (sys)	0.021 ± 0.018 (stat) ± 0.011 (sys)	0.039 ± 0.013 (stat) ± 0.013 (sys)
-0.6 - -0.5	0.016 ± 0.009 (stat) ± 0.009 (sys)	0.032 ± 0.011 (stat) ± 0.011 (sys)	0.016 ± 0.019 (stat) ± 0.010 (sys)	0.011 ± 0.010 (stat) ± 0.010 (sys)
-0.5 - -0.4	0.023 ± 0.009 (stat) ± 0.009 (sys)	0.016 ± 0.013 (stat) ± 0.007 (sys)	0.011 ± 0.010 (stat) ± 0.007 (sys)	0.006 ± 0.007 (stat) ± 0.006 (sys)
-0.4 - -0.3	0.031 ± 0.015 (stat) ± 0.010 (sys)	0.023 ± 0.013 (stat) ± 0.008 (sys)	0.023 ± 0.009 (stat) ± 0.009 (sys)	0.018 ± 0.014 (stat) ± 0.010 (sys)
-0.3 - -0.2	0.014 ± 0.008 (stat) ± 0.007 (sys)	0.015 ± 0.015 (stat) ± 0.007 (sys)	0.020 ± 0.008 (stat) ± 0.008 (sys)	0.011 ± 0.007 (stat) ± 0.006 (sys)
-0.2 - -0.1	0.027 ± 0.010 (stat) ± 0.008 (sys)	0.028 ± 0.008 (stat) ± 0.008 (sys)	0.028 ± 0.008 (stat) ± 0.008 (sys)	0.014 ± 0.008 (stat) ± 0.007 (sys)
-0.1 - 0.00	0.036 ± 0.009 (stat) ± 0.009 (sys)	0.034 ± 0.016 (stat) ± 0.008 (sys)	0.023 ± 0.013 (stat) ± 0.008 (sys)	0.016 ± 0.006 (stat) ± 0.006 (sys)
0.00 - 0.1	0.039 ± 0.023 (stat) ± 0.009 (sys)	0.033 ± 0.011 (stat) ± 0.008 (sys)	0.014 ± 0.012 (stat) ± 0.006 (sys)	0.025 ± 0.012 (stat) ± 0.007 (sys)
0.1 - 0.2	0.058 ± 0.012 (stat) ± 0.010 (sys)	0.055 ± 0.009 (stat) ± 0.009 (sys)	0.045 ± 0.019 (stat) ± 0.009 (sys)	0.051 ± 0.013 (stat) ± 0.009 (sys)
0.2 - 0.3	0.075 ± 0.020 (stat) ± 0.011 (sys)	0.042 ± 0.019 (stat) ± 0.008 (sys)	0.064 ± 0.010 (stat) ± 0.010 (sys)	0.037 ± 0.016 (stat) ± 0.008 (sys)
0.3 - 0.4	0.079 ± 0.011 (stat) ± 0.011 (sys)	0.085 ± 0.012 (stat) ± 0.012 (sys)	0.102 ± 0.024 (stat) ± 0.013 (sys)	0.078 ± 0.012 (stat) ± 0.012 (sys)
0.4 - 0.5	0.117 ± 0.017 (stat) ± 0.015 (sys)	0.092 ± 0.014 (stat) ± 0.013 (sys)	0.109 ± 0.018 (stat) ± 0.015 (sys)	0.070 ± 0.013 (stat) ± 0.013 (sys)
0.5 - 0.6	0.138 ± 0.017 (stat) ± 0.017 (sys)	0.115 ± 0.015 (stat) ± 0.015 (sys)	0.153 ± 0.018 (stat) ± 0.018 (sys)	0.156 ± 0.028 (stat) ± 0.020 (sys)
0.6 - 0.7	0.156 ± 0.022 (stat) ± 0.020 (sys)	0.184 ± 0.021 (stat) ± 0.021 (sys)	0.165 ± 0.030 (stat) ± 0.021 (sys)	0.162 ± 0.036 (stat) ± 0.021 (sys)

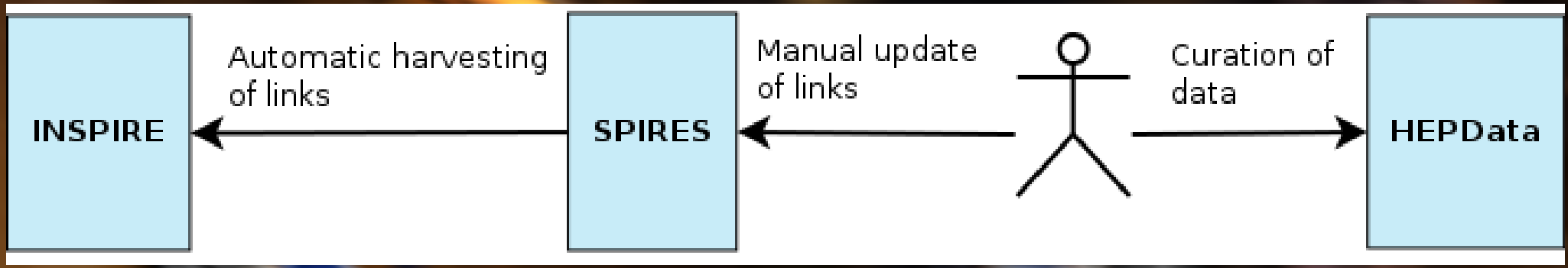


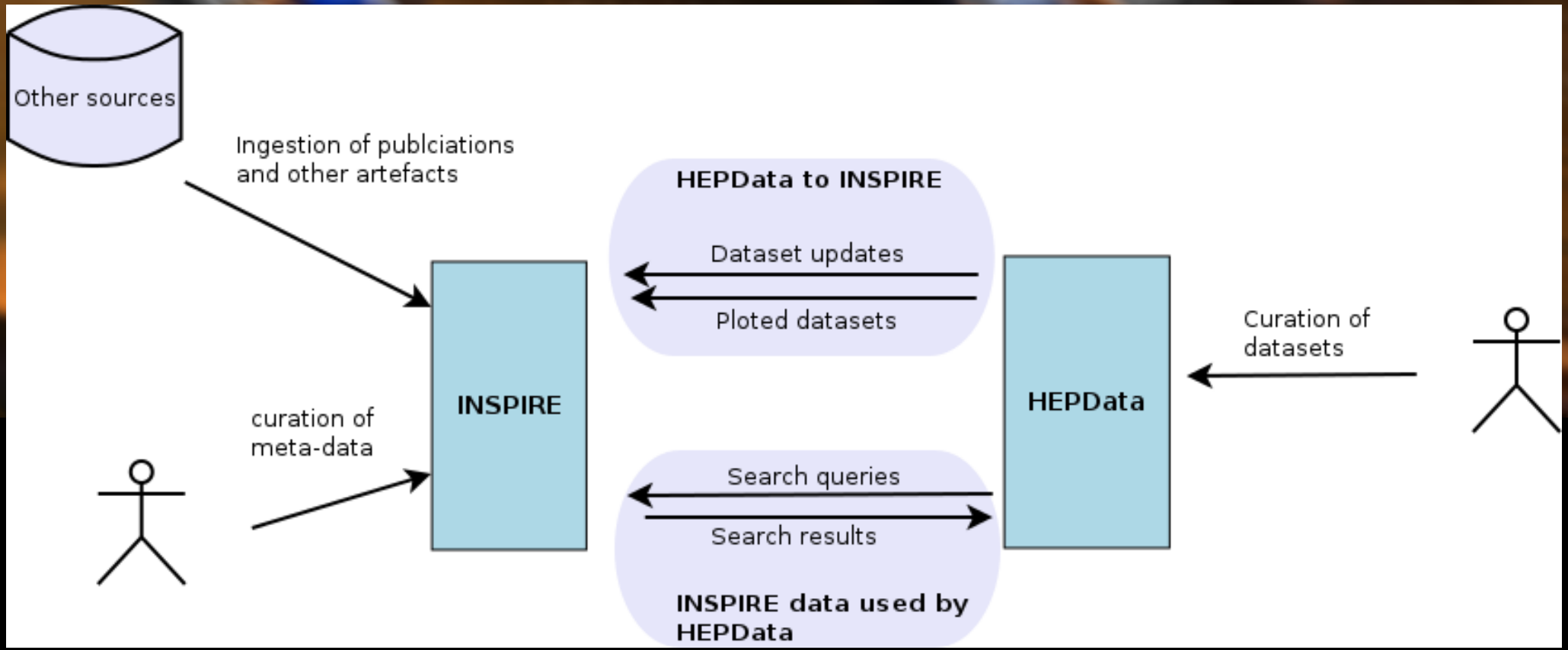
E(P=1) : 2.150 TO 2.200 GeV



2.200 TO 2.250 GeV




INSPIRE
Automatic harvesting of links
SPIRES
Manual update of links
Curation of data
HEPData


Other sources
Ingestion of publciations and other artefacts
HEPData to INSPIRE
Dataset updates
Ploted datasets
Curation of datasets
curation of meta-data
INSPIRE
HEPData
Search queries
Search results
INSPIRE data used by HEPData

- Separate records for datasets (we can assign DOIs)
- Improved rendering of qualifiers
- Close integration with INSPIRE records
- HEPData uses INSPIRE search to query publication properties
- Plotting facilities of HEPData brought closer to the data

Questions ?

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