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TIFF (Uncompressed) decompressor  
are needed to see this picture.

## Feedback from LHCC

### LHCC statement -as expected-

The LHCC took note of the FP420 proposal for R&D to investigate the feasibility of installing proton tagging detectors in the 420m region at LHC. The Committee will review the proposal through the appointed referee.

Appointed referee Mario MARTINEZ-PEREZ (Barcelona ZEUS/CDF)

### Private comments during the meeting

- Distracting effort from TOTEM?
- Money for the project?
- Occupancy of people involved?

### Referees first reactions (private communication)

- Trigger
- Pile-up effects
- Integration into ATLAS/CMS DAQ

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## FP420 Organisational Structure

- Executive Board

Co-chairs (Cox, De Roeck)

Albrow, Arneodo, Brandt, DaVia, Orava

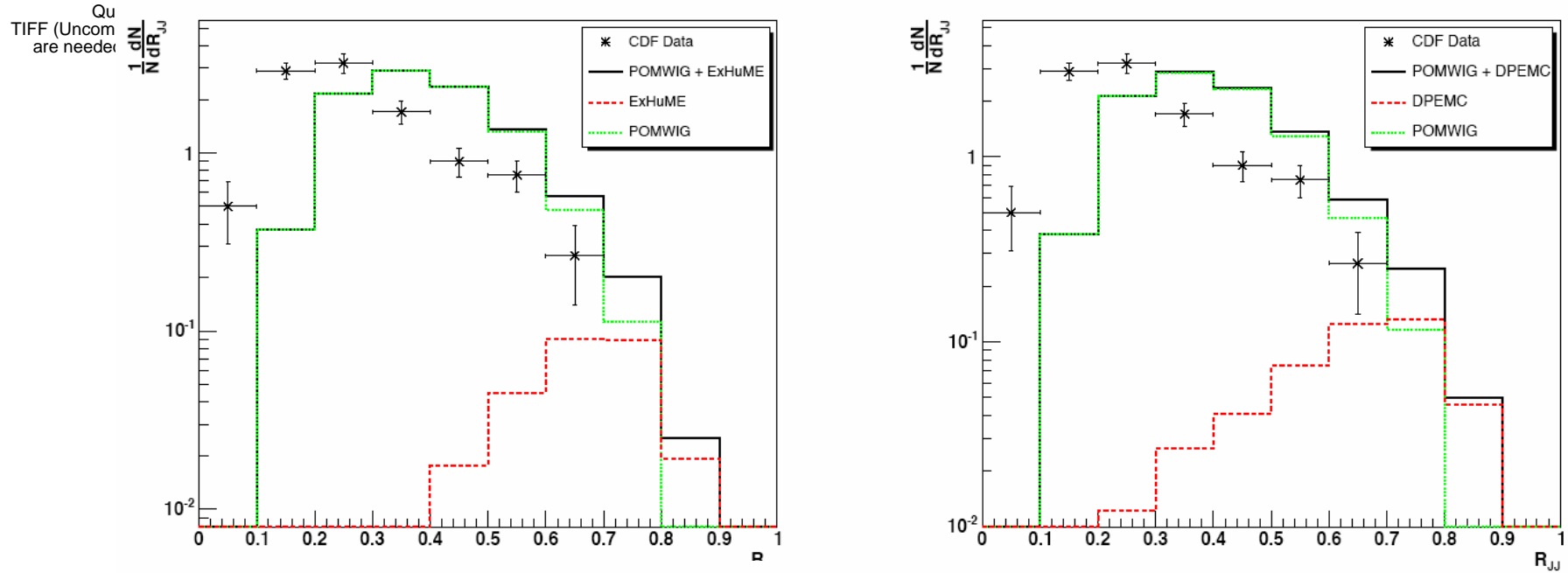
- Technical Coordinator ?

- Detectors (DaVia, Orava, Brandt)
- Interaction with machine (Nimmo)
- DAQ and Trigger (Grothe)
- Beams - acceptance, radiation, resolution (Bussey, Orava, Piotrkowski, ?)
- Monte Carlo Tools (Cox, Khoze)
- Interaction with current projects
- Cryostat engineering (Cockroft / Adams, CERN)
- Test Beam (Albrow, DaVia)

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## Timescales

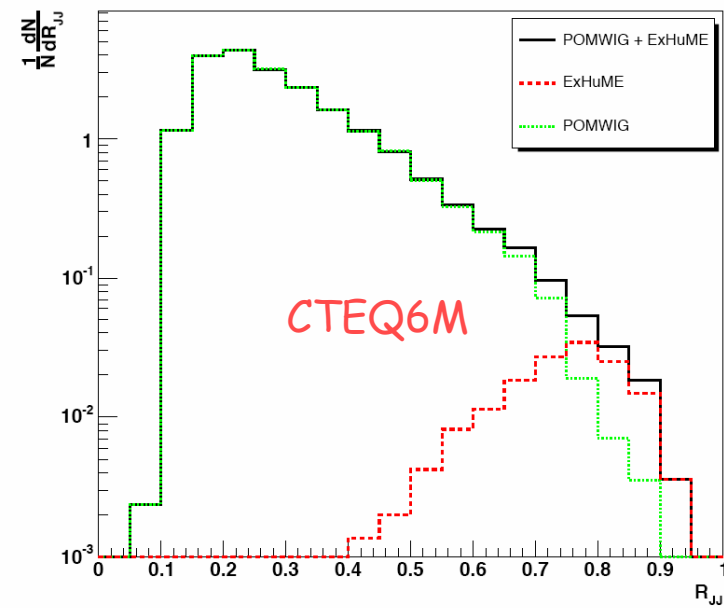
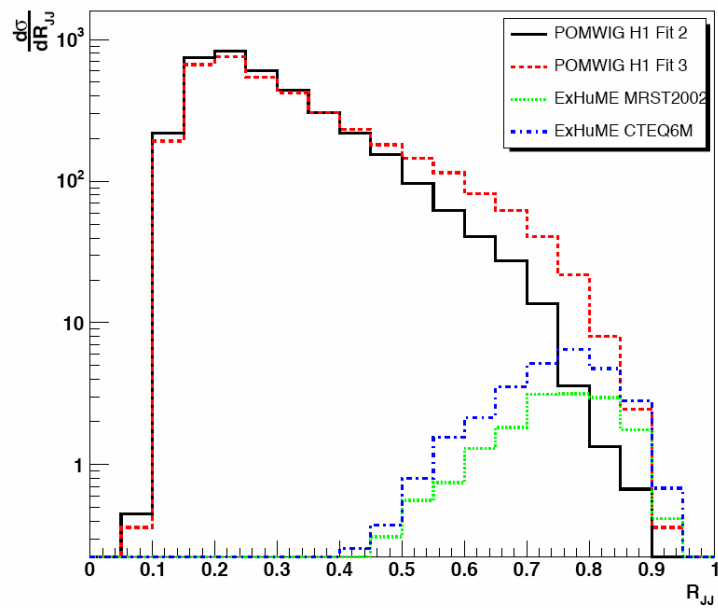
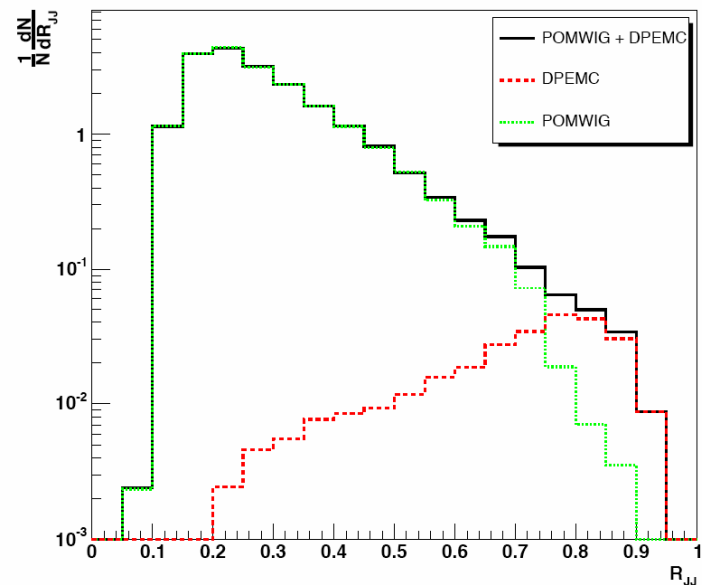
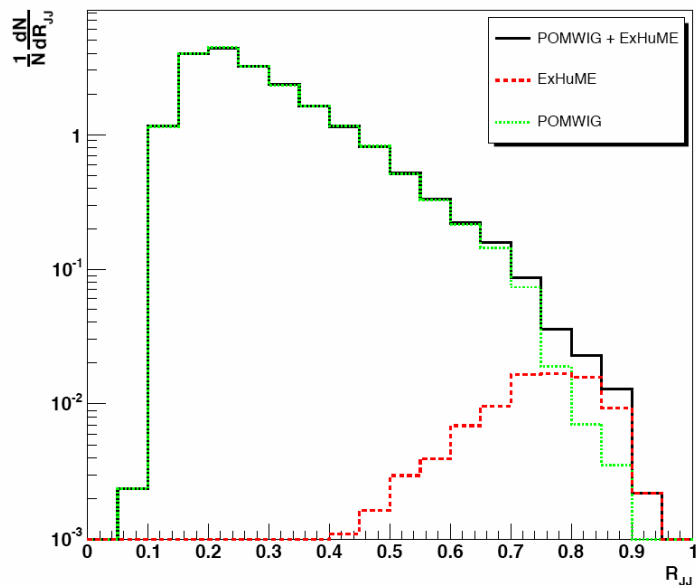
- It is likely that we will be asked to report to the LHCC 11th - 13th October
- Meeting on 10th at CERN to finalise response
- Working groups should co-ordinate the response to the referees questions
- Manchester 11th - 13th December
- We aim to decide on initial design at Manchester (see testbeam schedule in Mike and Cinzia talks).



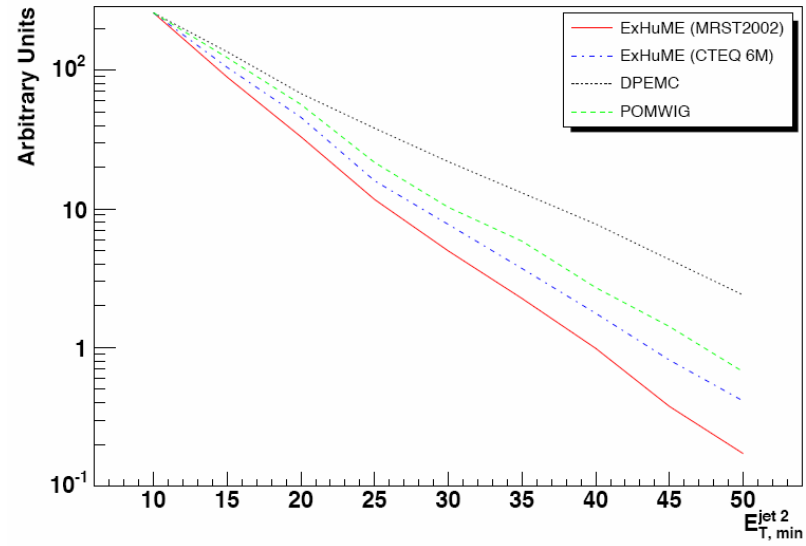
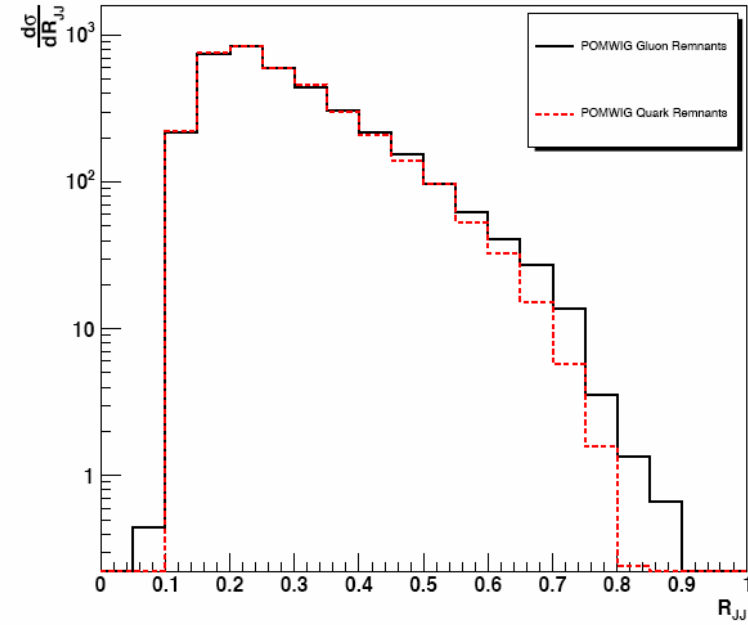
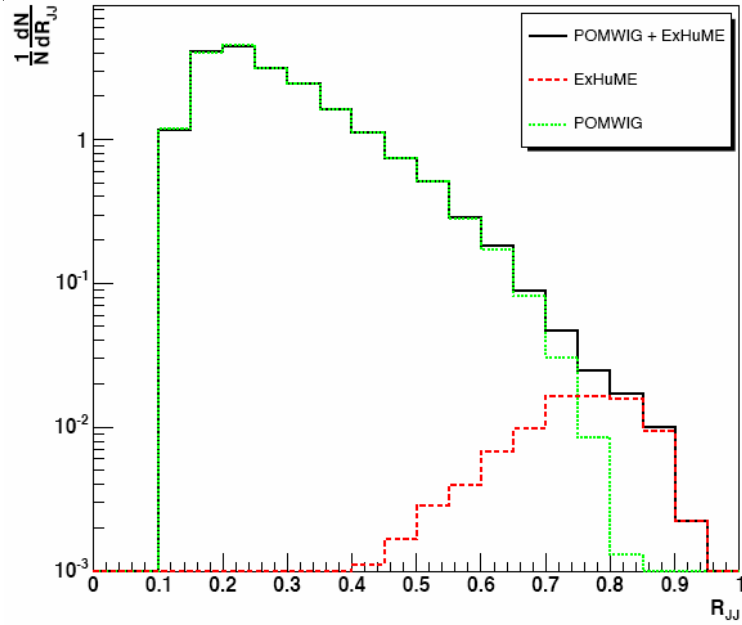
	$E_{T,min}$ (GeV)	$\sigma_{TOT}$ (nb)	$\sigma_{R_{JJ}>0.8}$ (nb)
CDF	7	$43.6 \pm 4.4 \pm 21.6$	$< 3.7$
POMWIG	7	42.53	0.01
ExHuME	7	0.59	0.03
DPEMC	7	1.29	0.09
POMWIG + ExHuME	7	43.12	0.04
POMWIG + DPEMC	7	43.8	0.10
CDF	10	$3.4 \pm 1.0 \pm 2.0$	n/a
POMWIG	10	6.91	$< 0.01$
ExHuME	10	0.28	0.03
DPEMC	10	0.60	0.09
POMWIG + ExHuME	10	7.19	0.03
POMWIG + DPEMC	10	7.52	0.09

Table 2: The cross section predictions from POMWIG (with an effective gap survival factor  $S^2 = 0.27$ ), ExHuME and DPEMC, in the kinematic range described in the text, with detector smearing included. Also shown are the CDF Run I published cross sections, taken from [11].

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IHEP	ID	IDPDG	IST	M01	M02	DA1	DA2	P-X	P-Y	P-Z	ENERGY	MASS	V-X	V-Y	V-Z	V-C*T
6	GLUON	21	121	8	9	11	7	-0.15	-0.52	3.8	3.9	0.75	0.000E+00	0.000E+00	0.000E+00	0.000E+00
7	UBAR	-2	122	8	6	17	10	0.00	0.00	-84.2	84.2	0.32	0.000E+00	0.000E+00	0.000E+00	0.000E+00
8	HARD	0	120	6	7	9	10	2.17	-2.36	-81.0	88.6	35.85	0.000E+00	0.000E+00	0.000E+00	0.000E+00
9	GLUON	21	123	8	10	22	6	5.12	11.87	-10.0	16.4	0.75	0.000E+00	0.000E+00	0.000E+00	0.000E+00
10	UBAR	-2	124	8	7	24	9	-5.27	-12.39	-70.4	71.7	0.32	0.000E+00	0.000E+00	0.000E+00	0.000E+00

---PARTON SHOWERS---

IHEP	ID	IDPDG	IST	M01	M02	DA1	DA2	P-X	P-Y	P-Z	ENERGY	MASS	V-X	V-Y	V-Z	V-C*T
11	GLUON	94	141	6	8	13	16	0.68	-0.22	6.1	1.5	-5.9				
12	CONE	0	100	6	7	0	0	0.45	-0.90	-3.3	3.5	0.0				
13	GLUON	21	2	11	14	29	30	-1.13	-0.20	0.4	1.4	0.75	-2.997E-14	9.200E-14	-3.779E-13	-2.174E-13
14	UBAR	-2	2	11	15	31	30	0.49	0.77	1.1	1.5	0.32	-1.073E-15	1.558E-13	-5.944E-13	-3.997E-13
15	UQRK	2	2	11	16	32	31	-0.01	-0.02	-0.1	0.4	0.41	-1.073E-15	1.558E-13	-5.944E-13	-3.997E-13
16	GLUON	21	2	11	23	33	34	-0.30	-1.23	-1.0	1.8	0.75	-6.326E-15	2.080E-15	-5.730E-14	-1.415E-14
17	UBAR	94	142	7	8	19	21	1.49	-2.14	-87.1	87.1	-3.03	0.000E+00	0.000E+00	0.000E+00	0.000E+00
18	CONE	0	100	7	6	0	0	0.87	-0.51	-1.6	1.9	0.00	0.000E+00	0.000E+00	0.000E+00	0.000E+00

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IHEP	ID	IDPDG	IST	M01	M02	DA1	DA2	P-X	P-Y	P-Z	ENERGY	MASS	V-X	V-Y	V-Z	V-C*T
6	GLUON	21	121	8	9	11	7	-0.15	-0.52	3.8	3.9	0.75	0.000E+00	0.000E+00	0.000E+00	0.000E+00
7	UBAR	-2	122	8	6	15	10	0.00	0.00	-84.2	84.2	0.32	0.000E+00	0.000E+00	0.000E+00	0.000E+00
8	HARD	0	120	6	7	9	10	-6.62	2.69	-83.3	90.9	35.85	0.000E+00	0.000E+00	0.000E+00	0.000E+00
9	GLUON	21	123	8	10	21	6	5.12	11.87	-10.0	16.4	0.75	0.000E+00	0.000E+00	0.000E+00	0.000E+00
10	UBAR	-2	124	8	7	25	9	-5.27	-12.39	-70.4	71.7	0.32	0.000E+00	0.000E+00	0.000E+00	0.000E+00

---PARTON SHOWERS---

IHEP	ID	IDPDG	IST	M01	M02	DA1	DA2	P-X	P-Y	P-Z	ENERGY	MASS	V-X	V-Y	V-Z	V-C*T
11	GLUON	94	141	6	8	13	14	-1.08	-2.74	5.4	2.6	-5.56	0.000E+00	0.000E+00	0.000E+00	0.000E+00
12	CONE	0	100	6	7	0	0	0.78	0.61	-3.1	3.2	0.00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
13	GLUON	21	2	11	14	29	30	0.88	2.05	-0.3	2.4	0.75	2.122E-14	5.379E-14	-1.056E-13	-5.060E-14
14	GLUON	21	2	11	23	31	32	-0.06	-0.22	1.5	1.7	0.70	2.122E-14	5.379E-14	-1.056E-13	-5.060E-14
15	UBAR	94	142	7	8	17	20	-5.54	5.43	-88.6	88.4	-10.41	0.000E+00	0.000E+00	0.000E+00	0.000E+00
16	CONE	0	100	7	6	0	0	-0.67	0.73	-1.5	1.8	0.00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
17	UQRK	2	2	15	18	33	28	1.52	-0.19	-314.5	314.5	0.32	9.869E-14	-9.557E-14	1.038E-11	-1.038E-11
18	UD	2101	2	15	19	34	33	0.00	0.00	-22.9	22.9	0.20	6.332E-14	-3.555E-13	1.185E-10	-1.185E-10

Gluon