

CDF/D0/AD Luminosity meeting

July 28 2004
Vaia Papadimitriou

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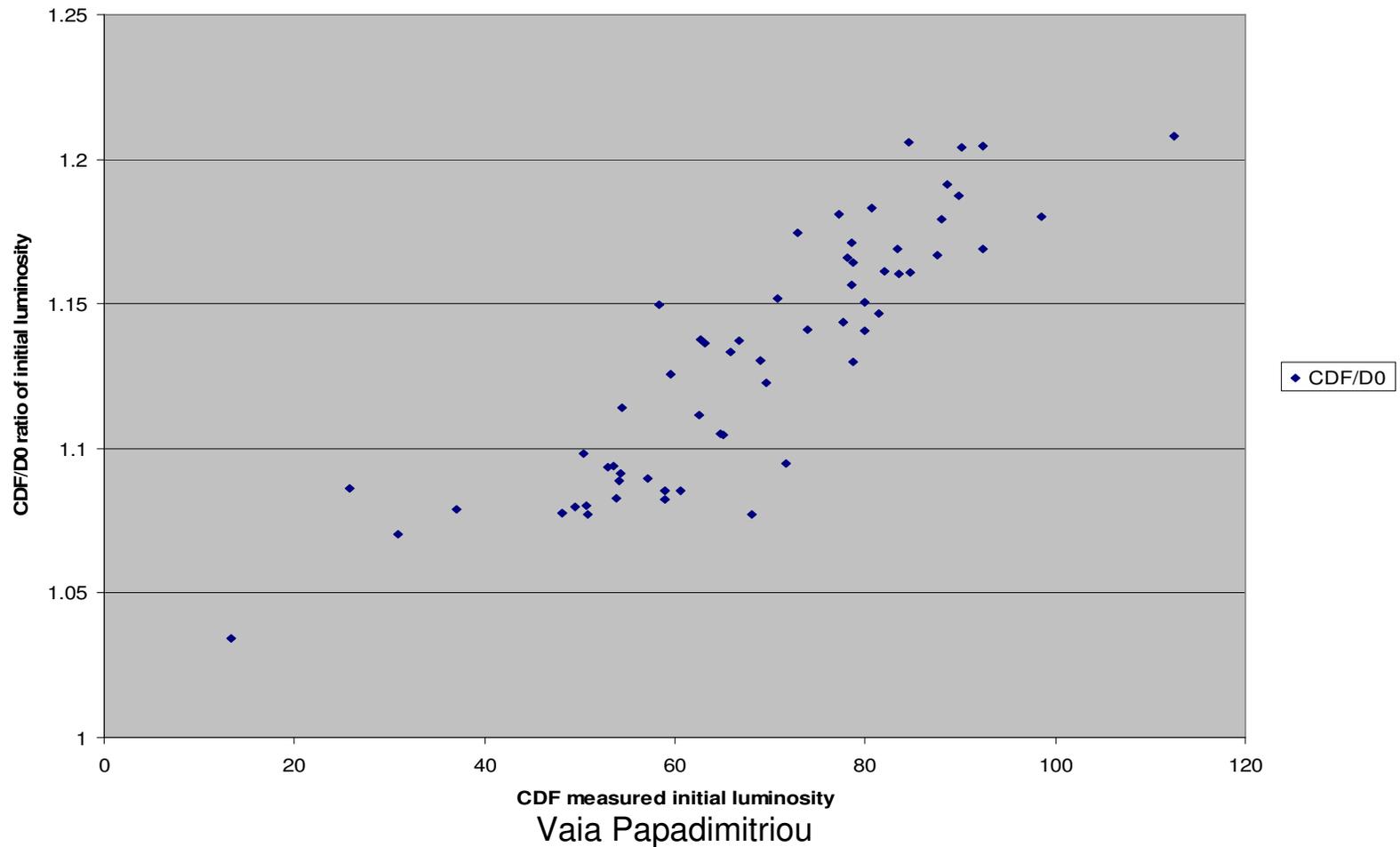
New low beta optics

- ❖ New low beta optics were introduced in store 3487, May 12 2004
- ❖ Optics corrections were completed by introducing alpha bumps in store 3534, May 26 2004
- ❖ As a result luminosities increased at both IPs

CDF/D0 ratio vs luminosity

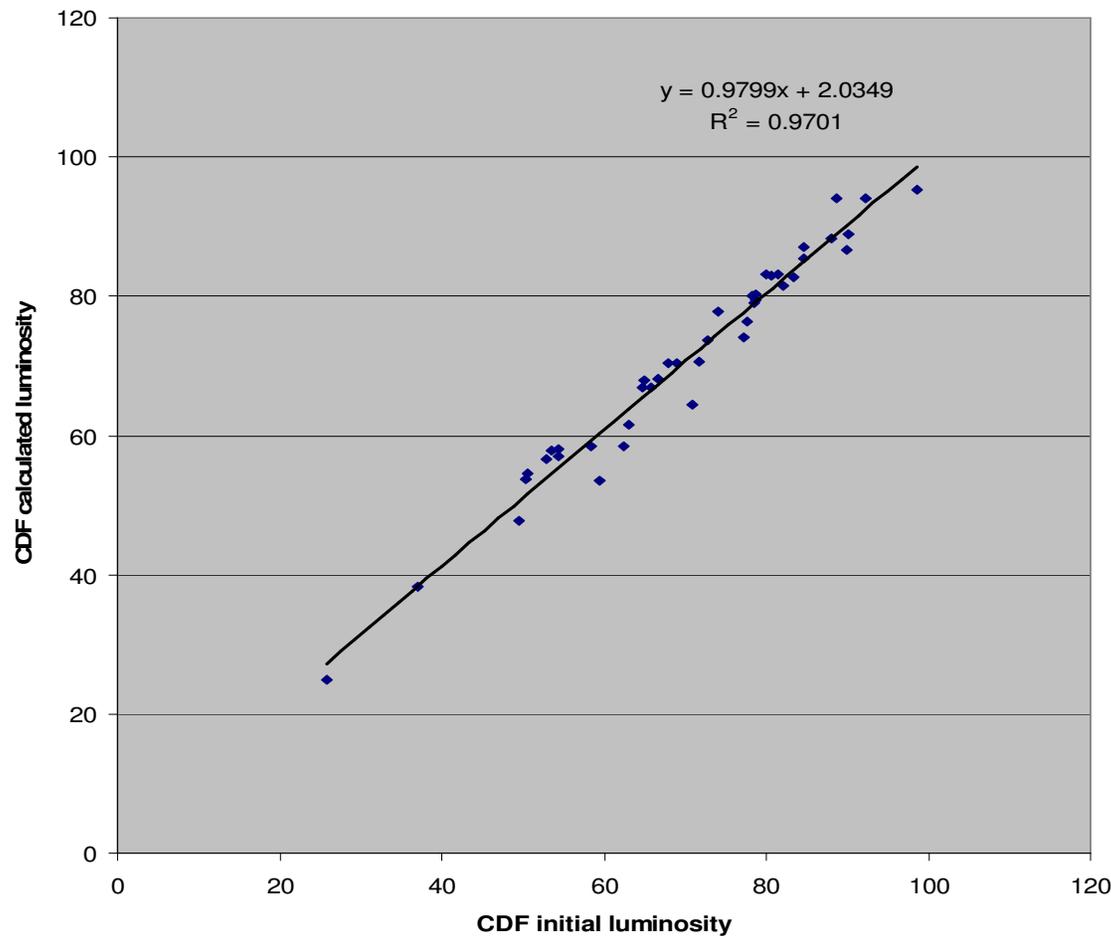
The ratio appears to depend on (and increase) with the luminosity

CDF/D0 ratio vs luminosity, Apr.27 - July 25 2004



CDF calculated vs initial luminosity after the beam optics change and till July 10

CDF calculated vs initial luminosity after store 3487

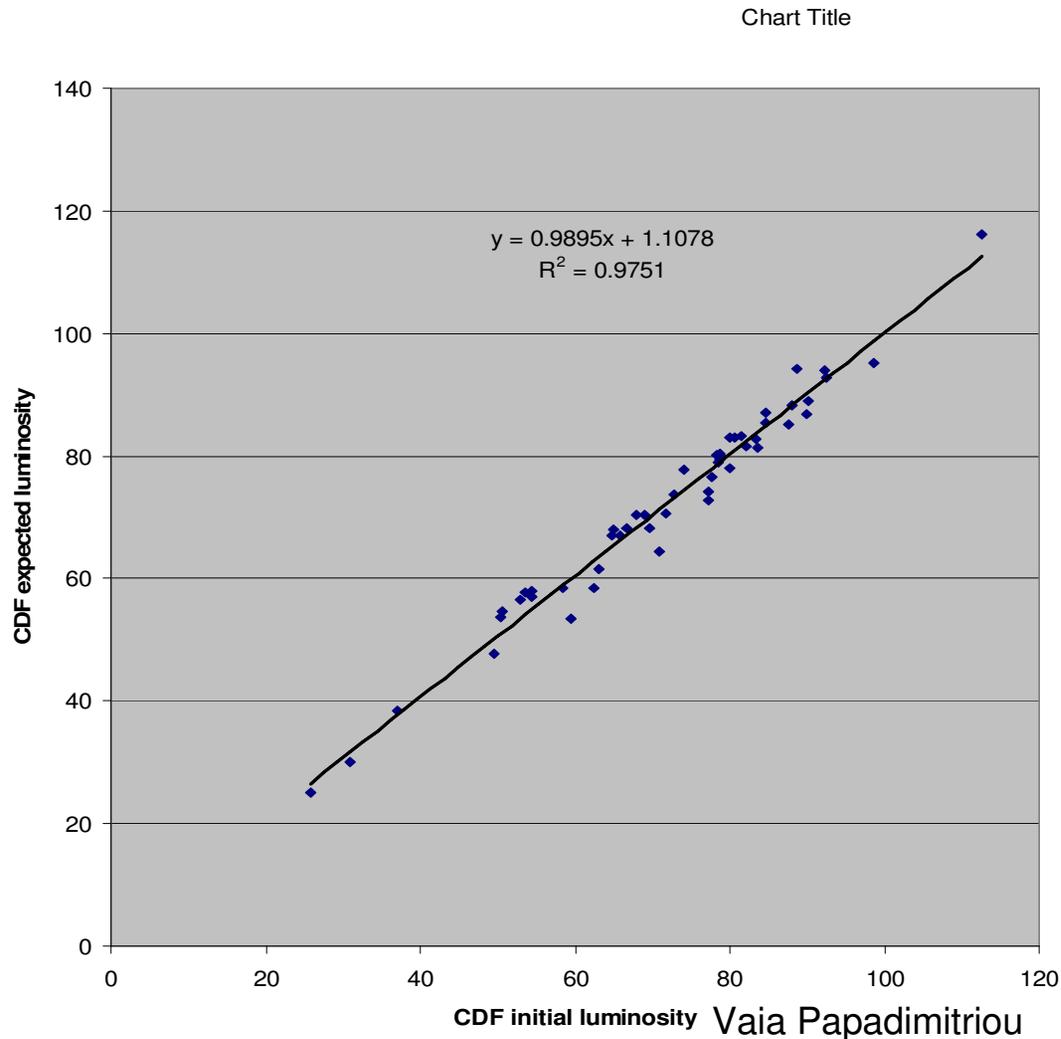


Store 3528
removed; bad CLC
cable for CDF

- ◆ 29 CDF luminosity calculated at low beta
- Linear (29 CDF luminosity calculated at low beta)

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CDF calculated vs initial luminosity after the beam optics change and till July 25

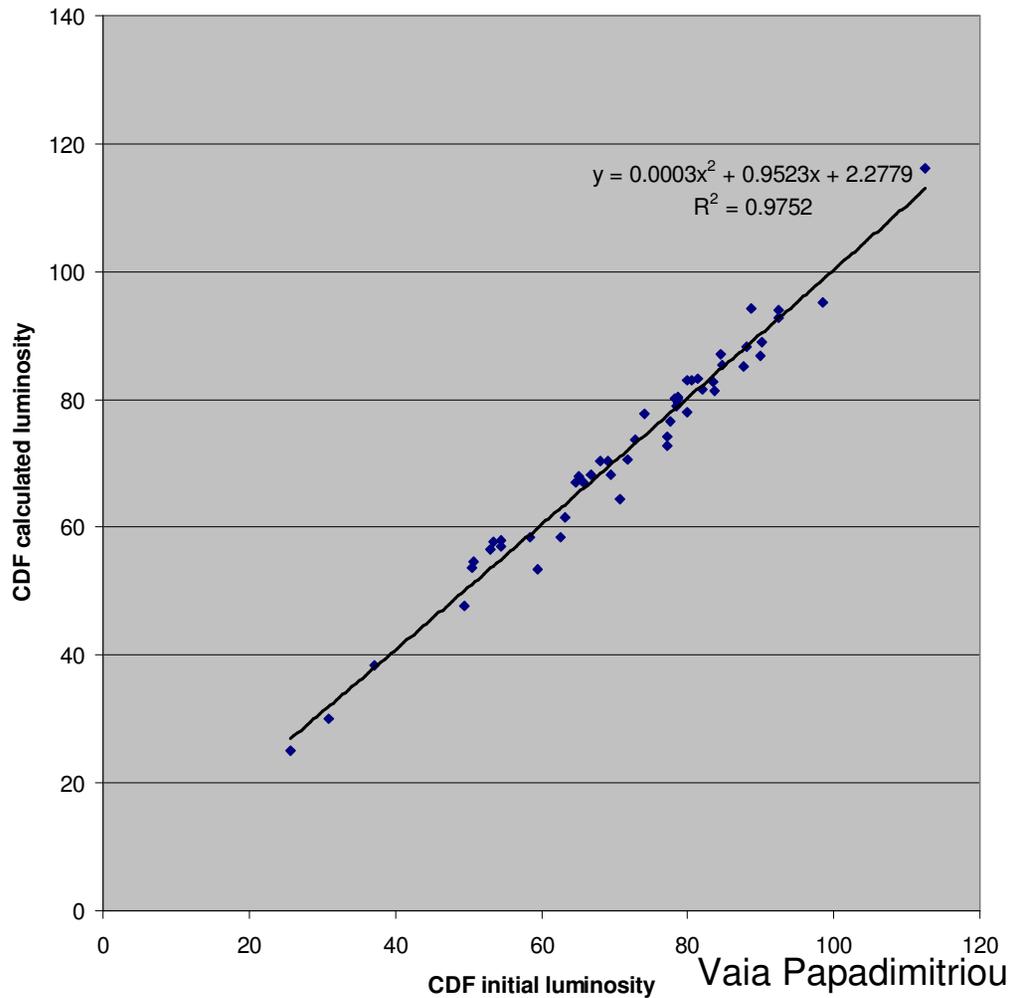


Stores 3528,3663, 3671 removed

- ◆ 29 CDF luminosity calculated at low beta
- Linear (29 CDF luminosity calculated at low beta)
- Linear (29 CDF luminosity calculated at low beta)

CDF calculated vs initial luminosity after the beam optics change and till July 25

Chart Title



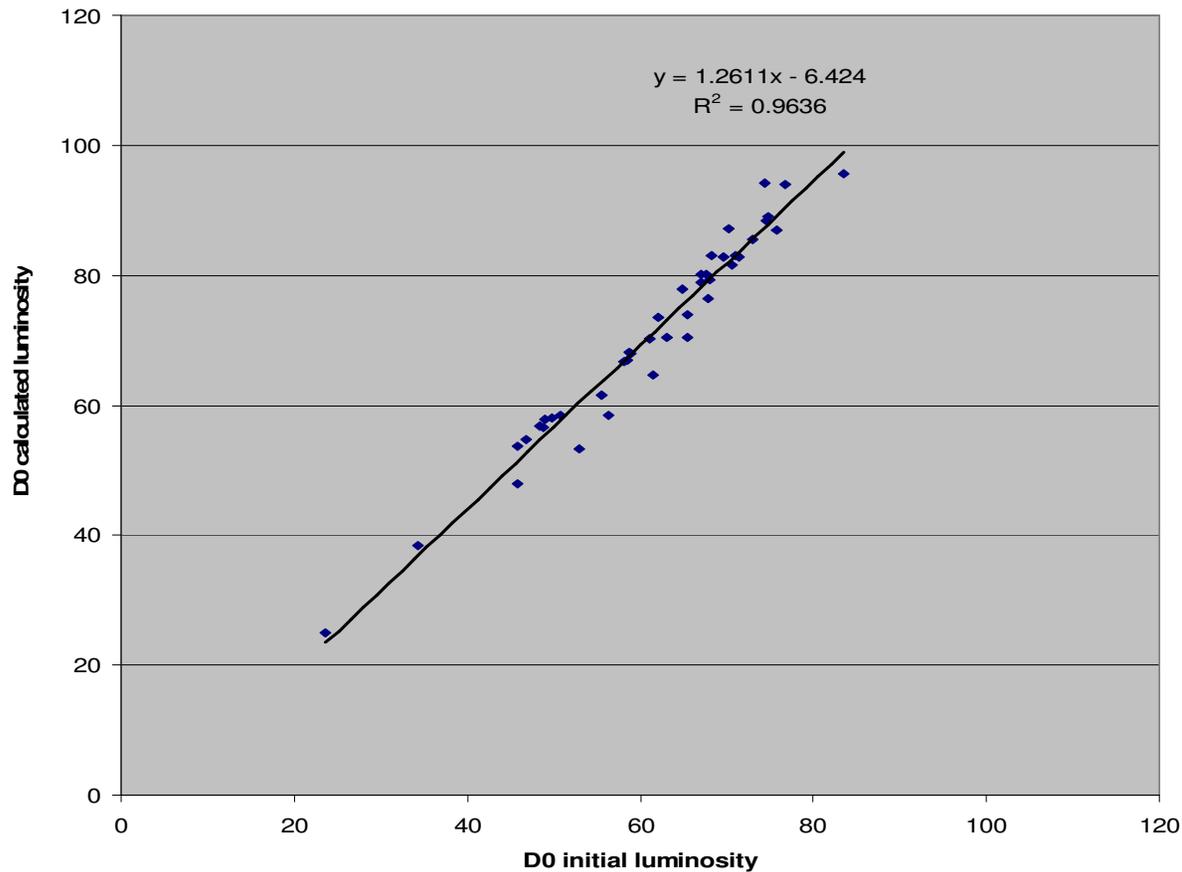
Stores 3528,3663, 3671 removed

- ◆ 29 CDF luminosity calculated at low beta
- Poly. (29 CDF luminosity calculated at low beta)

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D0 calculated vs initial luminosity after the beam optics change and till July 10

D0 calculated vs initial luminosity after store 3487

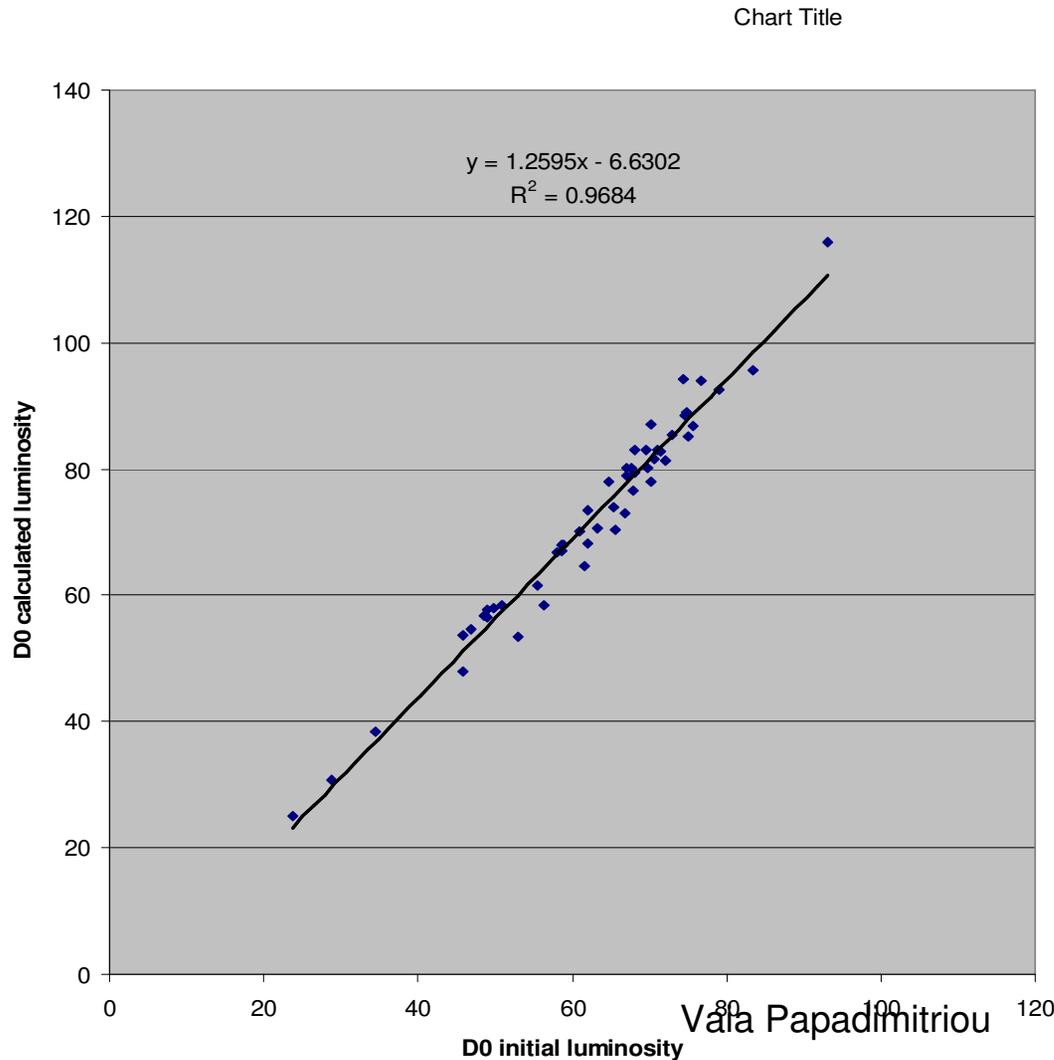


Store 3528
removed; bad CLC
cable for CDF

◆ 138 D0 luminosity calculated at low beta
— Linear (138 D0 luminosity calculated at low beta)

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D0 calculated vs initial luminosity after the beam optics change and till July 25

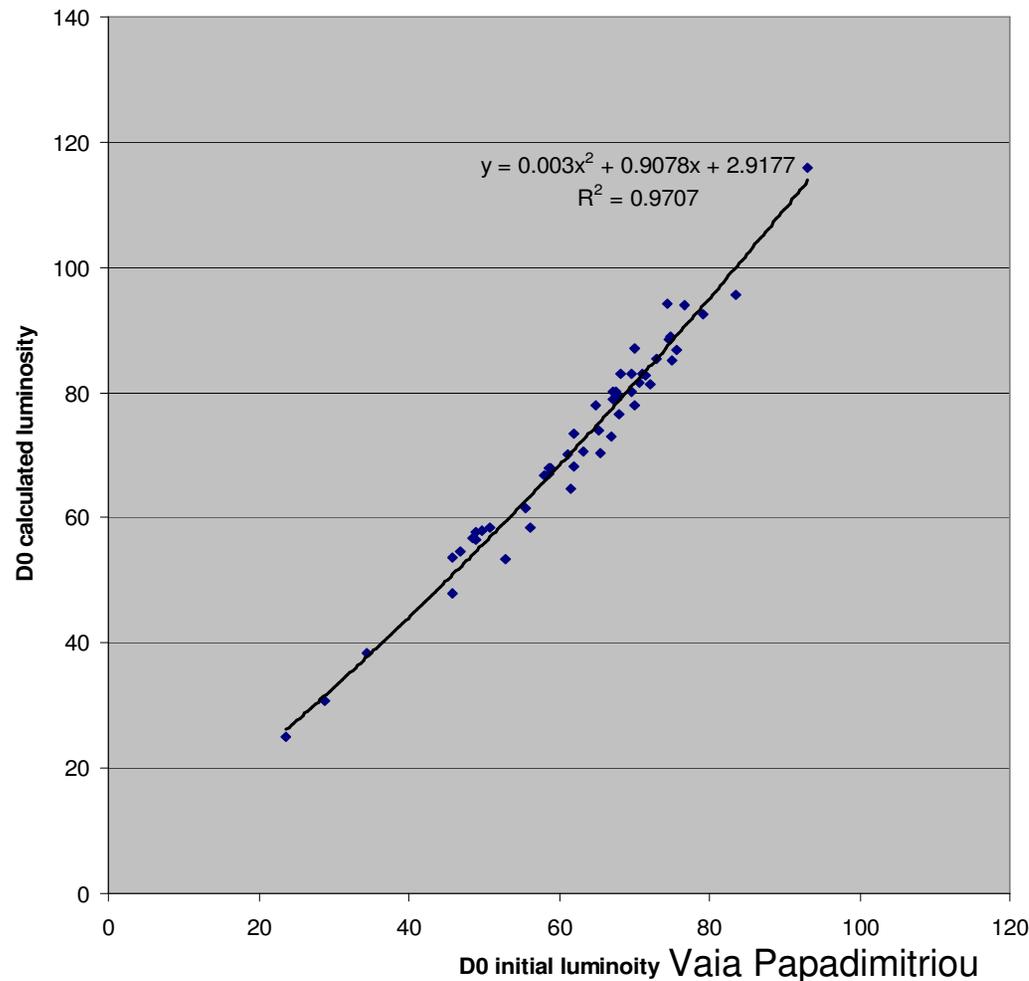


Stores 3528, 3663, 3671 removed

- ◆ 138 D0 luminosity calculated at low beta
- Linear (138 D0 luminosity calculated at low beta)
- Linear (138 D0 luminosity calculated at low beta)

D0 calculated vs initial luminosity after the beam optics change and till July 25

Chart Title



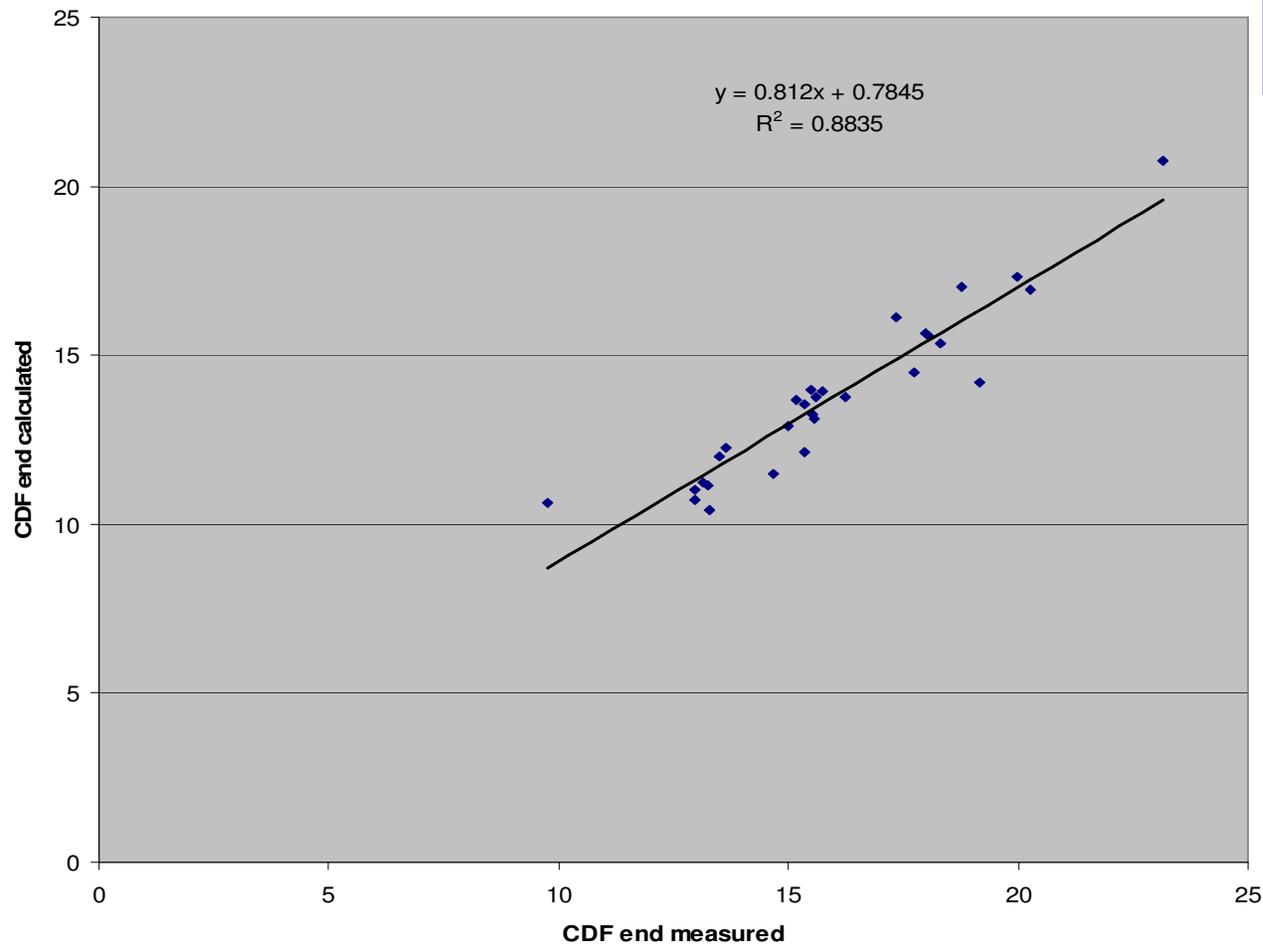
Stores 3528, 3663, 3671 removed

- ◆ 138 D0 luminosity calculated at low beta
- Poly. (138 D0 luminosity calculated at low beta)

CDF calculated vs end of store luminosity after the beam optics change and till July 26

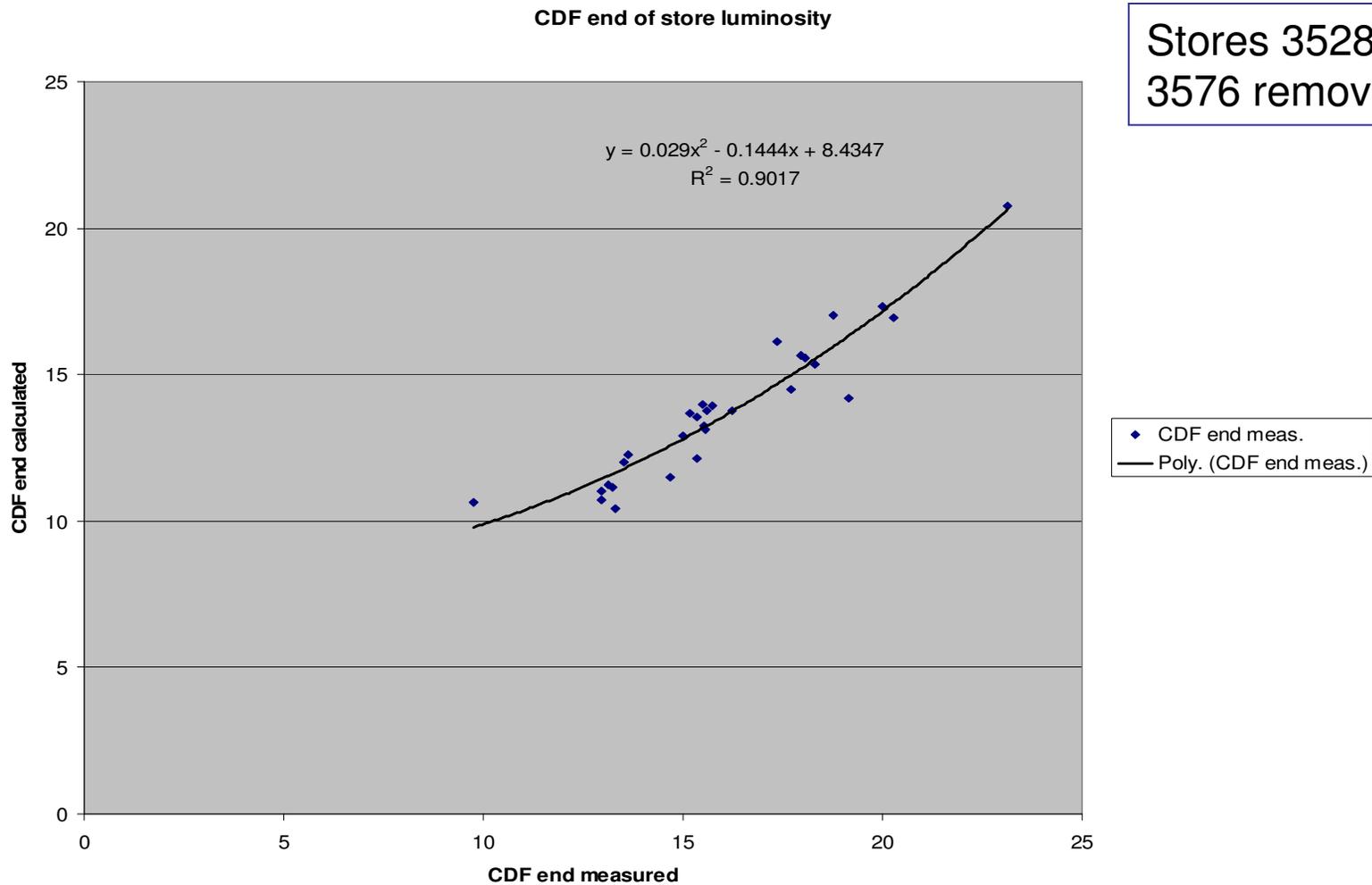
CDF end of store luminosity

Stores 3528, 3663, 3671
3576 removed



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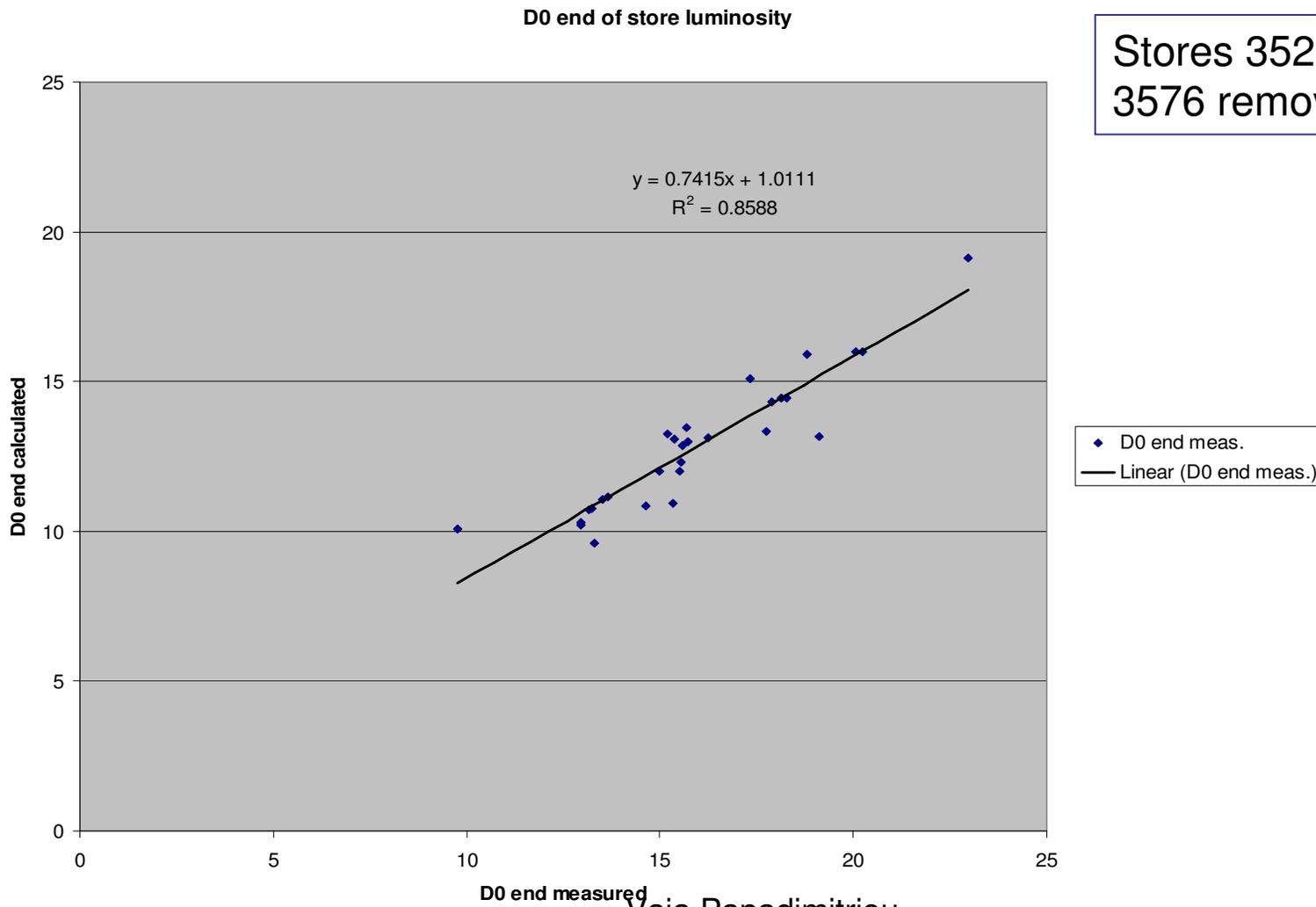
CDF calculated vs end of store luminosity after the beam optics change and till July 26



Stores 3528, 3663, 3671
3576 removed

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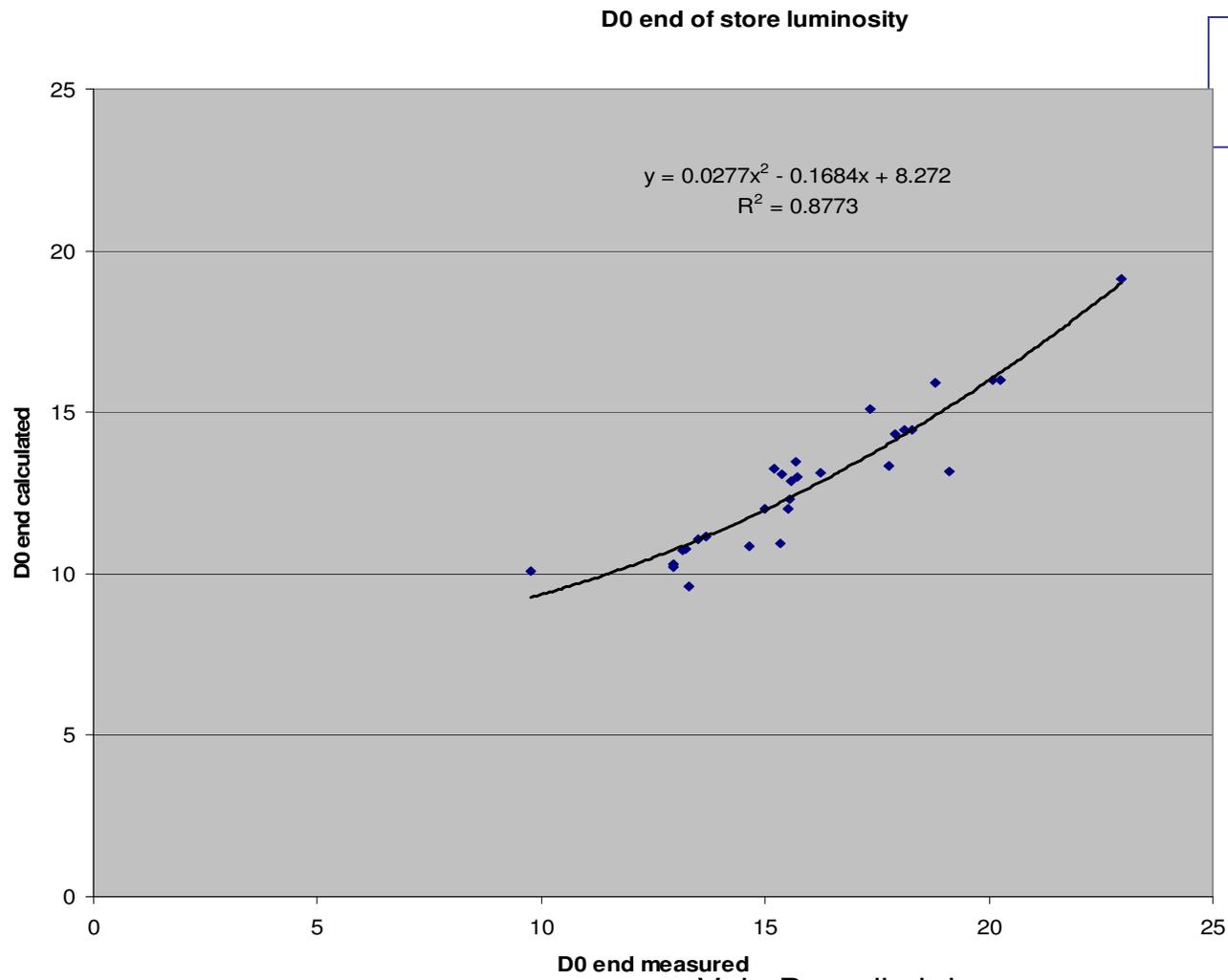
D0 calculated vs end of store luminosity after the beam optics change and till July 26



Stores 3528, 3663, 3671
3576 removed

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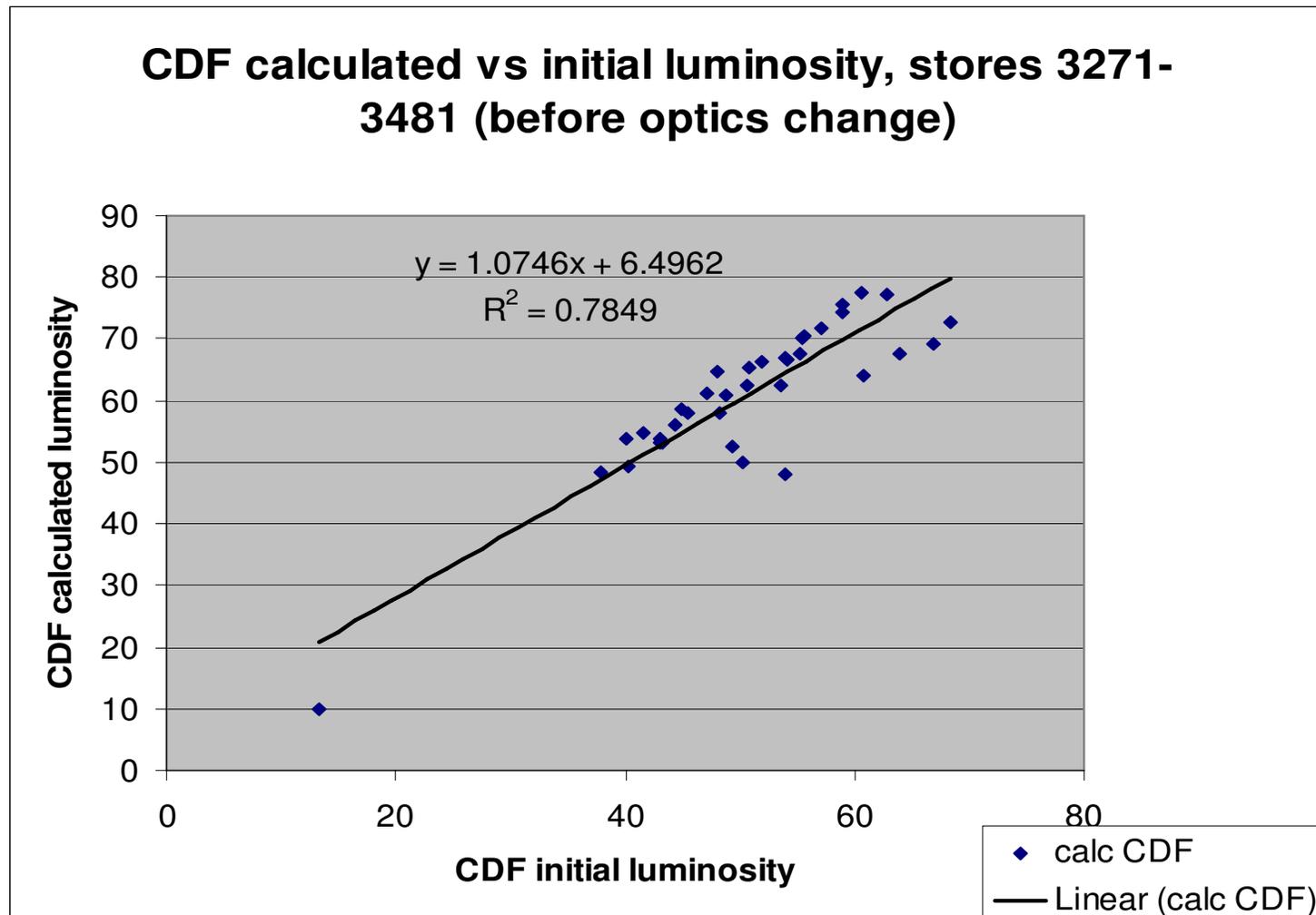
D0 calculated vs end of store luminosity after the beam optics change and till July 26



Stores 3528, 3663, 3671
3576 removed

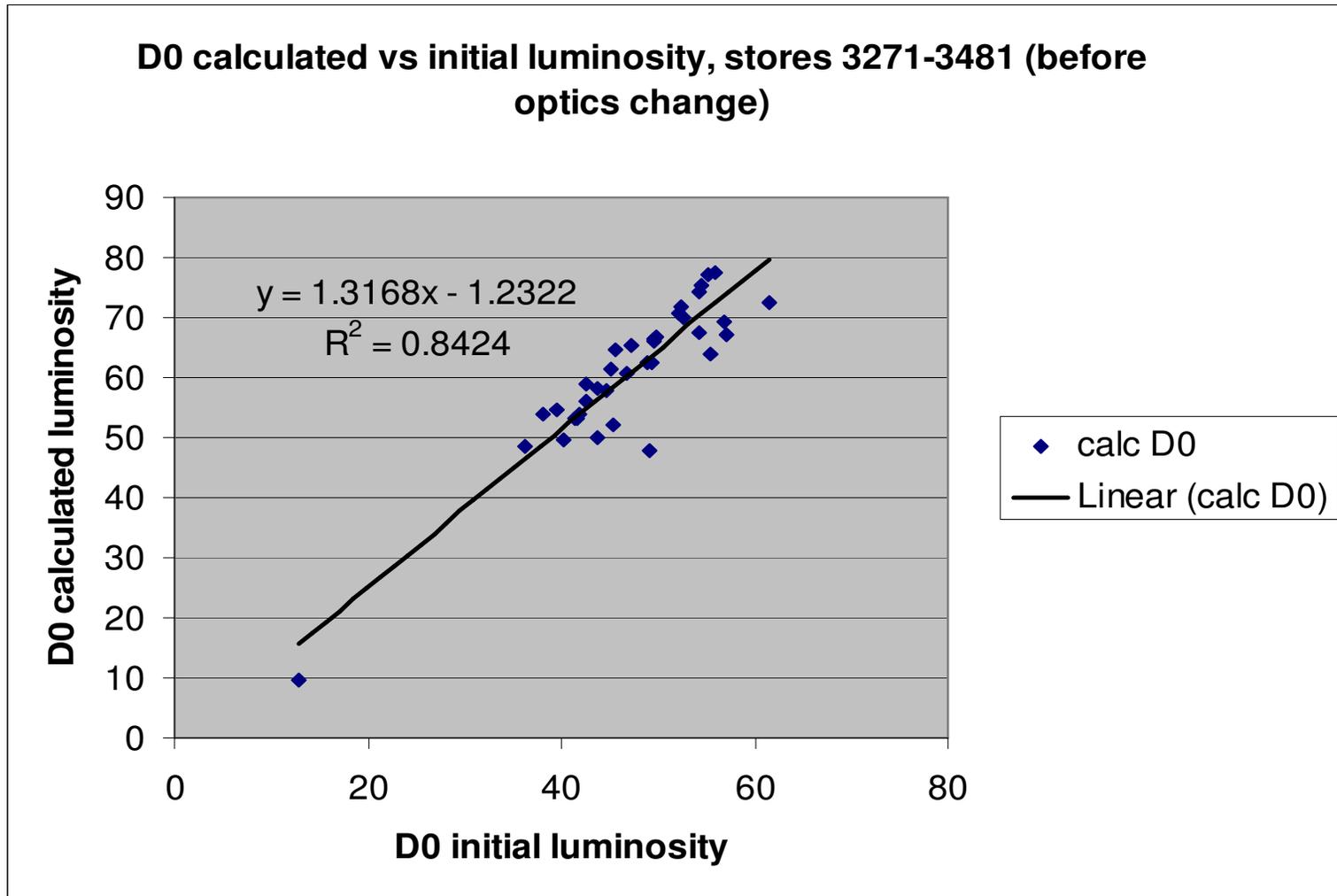
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CDF calculated vs initial luminosity before the beam optics change, March 1-May 10, 2004



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D0 calculated vs initial luminosity before the beam optics change, March 1-May 10, 2004



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