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SEM sample background for TEM Lab (II)

As mentioned during today SEM lecture for the coming TEM Lab (II) in next week, you need to know a little bit about the sample background from SEM Lab(II) (i.e. intergranular fracture happened, and you need TEM to figure out WHY). Since this year SEM lab is behind of TEM lab, I put one corresponding transparency from the early SEM Lab results, FYI saved at,

http://folk.ntnu.no/yingday/NilsYD/2009_stud_Labs/

If you were not in Today's lecture, it is better that you go to the above link before TEM Lab (II).

by [Yingda, Yu](#) 23.03.2009 12:30

Monte Carlo Simulations

In the next week SEM lecture about Electron beam-specimen interaction, Monte Carlo electron trajectory simulations will be used to predict that "pear" shape interaction volume, and the computer program is available at,

<http://www.gel.usherbrooke.ca/casino/>

We will use the simulated results for low vs high primary electron energy EO (5 and 30 kV) interacting with a silicon substrate (Z = 14), to compare their lateral spread and p

by [Yingda, Yu](#) 19.03.2009 10:30

TEM lab

Text for TEM-lab 1 : folder, lab 1 in Engli

by [Solberg, Jan Ketil](#)

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