

# Strong-interacting matter at finite temperature

$O(4)$

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pseudo-critical temperature  
drops by 15% when  
approaching the chiral limit

pseudo-critical  
temperature

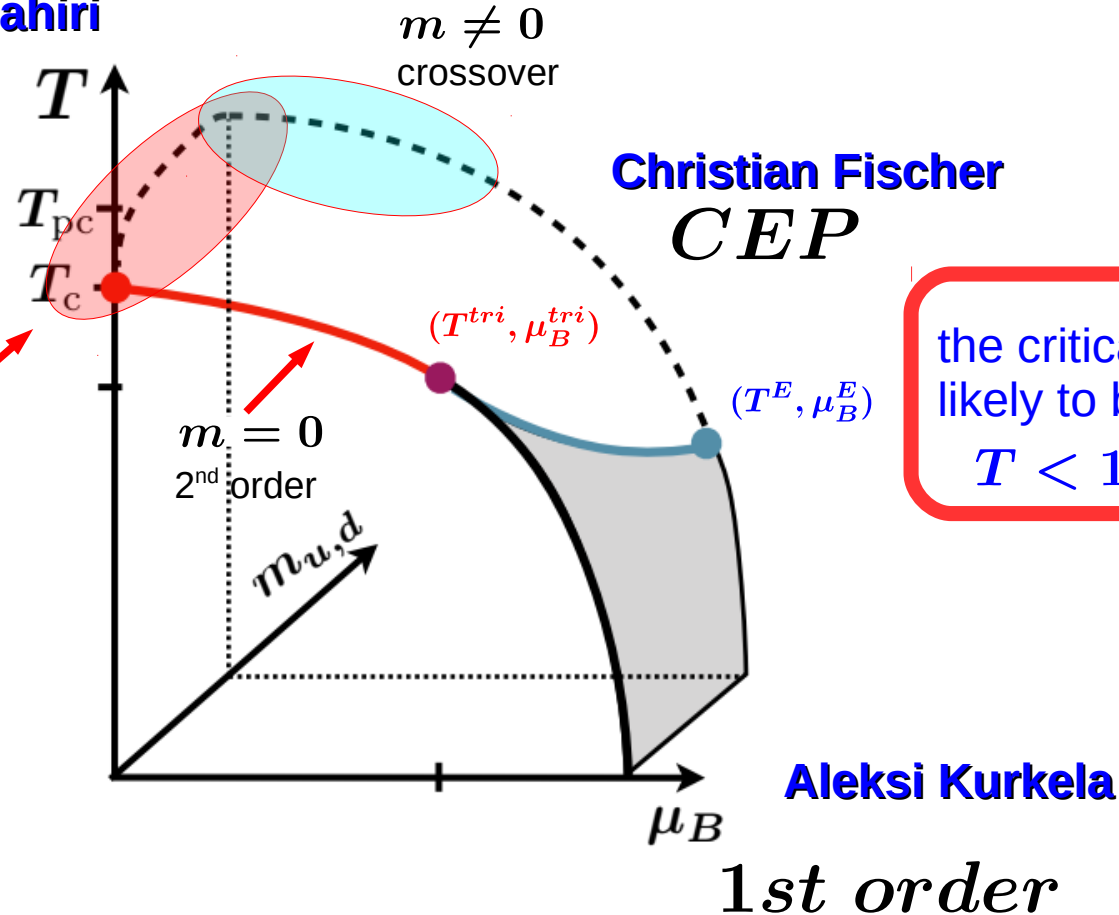
$(156.5 \pm 1.5)$  MeV

$U(1)_A$

Angel Gomez Nicola  
Yu Zhang

chiral phase transition  
temperature

$132^{+3}_{-6}$  MeV



Christian Fischer  
**CEP**

the critical point is  
likely to be located at  
 $T < 130$  MeV

Alexi Kurkela

1st order