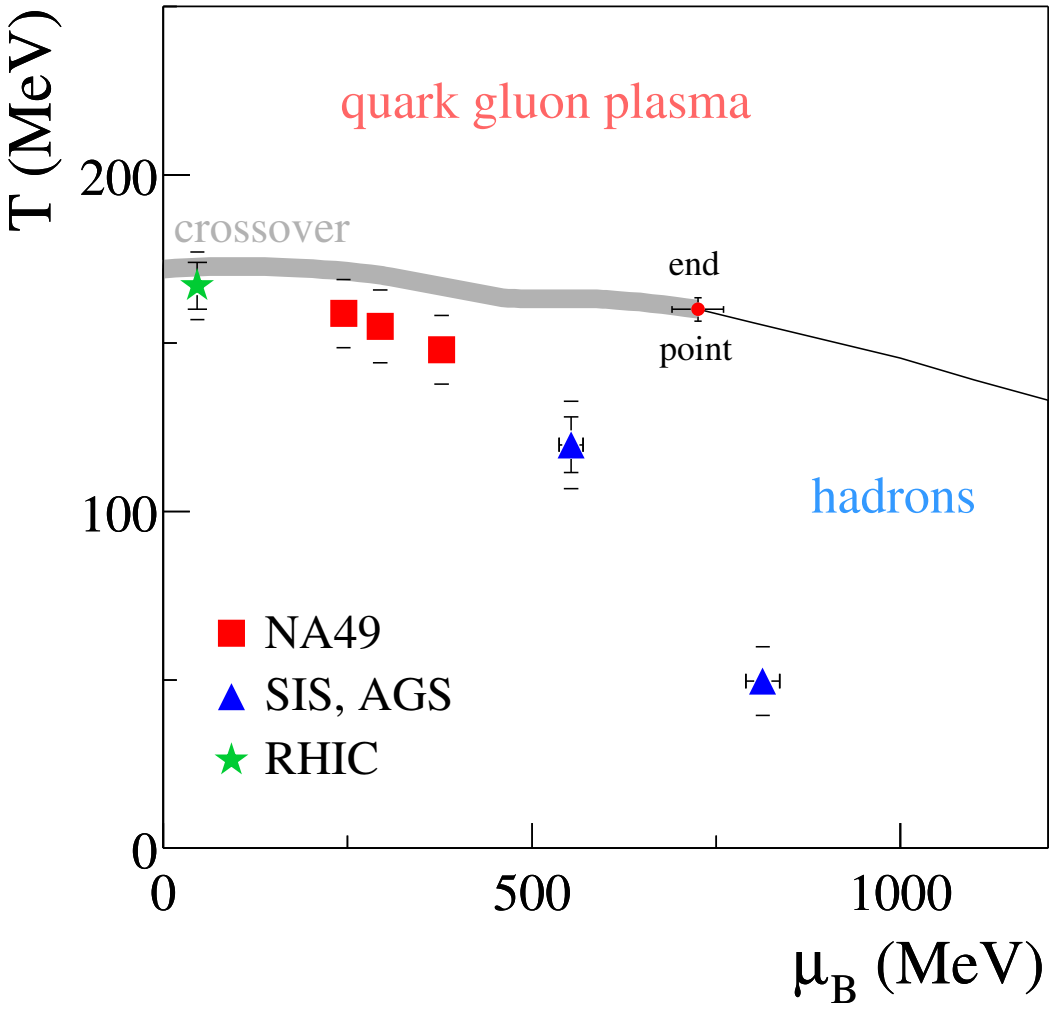
# Chemical freeze–out in the T–$\mu_B$ plane

## 40 and 80 *A*GeV yields also fitted

| | 40 *A*GeV | 80 *A*GeV | 158 *A*GeV |
|---|---|---|---|
| $T$ (MeV) | $148 \pm 2$ | $155 \pm 4$ | $159 \pm 2$ |
| $\mu_B$ (MeV) | $377 \pm 7$ | $294 \pm 15$ | $244.5 \pm 4.7$ |
| $\gamma_S$ | $0.75 \pm 0.02$ | $0.72 \pm 0.03$ | $0.82 \pm 0.02$ |
| $\chi^2/NDF$ | 14.8/4 | 10.4/4 | 23.5 / 11 |

fits by F. Becattini




- Freeze–out parameters on a (relatively) smooth curve
- Curve approaches phase boundary in the SPS energy range
- Even at RHIC, the parameters do not enter QGP–phase

Cross–over line from Z. Fodor, S.D. Katz hep–lat/0204029