Global Variables

hadrochemistry at freeze out:

thermal and chemical equilibrium

$$n_i = \frac{g_i}{2\pi^2}\int dp p^2 \left(\exp(E_i - \mu_B B_i - \mu_S S_i)/T \pm 1\right)^{-1}$$

[1]

Particles	Thermal Model		Experimental Data		
	1	2	exp. ratio	Exp.	y
p-$\bar{\text{p}}$/neg[a]	0.17	0.23	0.23(3)	NA49	0.2-5.6
π^-/π^+	1.04	1.06	1.10(5)	NA49	all
$\bar{\text{p}}/\text{p}^a$	0.086	0.050	0.055(10)	NA44	2.3-2.9
$\bar{\text{p}}/\text{p}^b$	0.099	0.076	0.085(8)	NA49	2.5-3.3
$\bar{\text{d}}/\text{d}$	$6.7\cdot10^{-3}$	$2.1\cdot10^{-3}$	$3.6(8)\cdot10^{-3}$	NA44	1.9-2.1
K^+/K^-	1.57	1.94	1.61(15)	NA49	2.5-3.3
			1.85(9)	NA44	2.4-3.5
K^0_s/π^-	0.145	0.138	0.125(19)	NA49	all
$\bar{\Lambda}/\Lambda^a$	0.147	0.115	0.128(12)	WA97	2.3-3.4
$\bar{\Lambda}/\Lambda^b$	0.17	0.15	0.19(1)	NA49	2.6-3.8
$2\phi/(\pi^+ + \pi^-)$	0.020	0.020	$9.1(10)\cdot10^{-3}$	NA49	all
Ξ^+/Ξ^{-a}	0.255	0.273	0.266(28)	WA97	2.4-3.4
Ξ^-/Λ^a	0.114	0.101	0.093(7)	"	"
Ξ^-/Λ^b	0.093	0.084	0.13(4)	NA49	2.0-2.6
$\Xi^+/\bar{\Lambda}^a$	0.198	0.239	0.195(23)	WA97	2.4-3.4
Ω^+/Ω^{-a}	0.46	0.68	0.46(15)	"	"
$(\Omega^+ + \Omega^-)/(\Xi^+ + \Xi^-)^a$	0.154	0.168	0.195(28)	"	"

[a] No feeding from weak decays.
[b] Feeding from weak decays included.

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