

Erratum: Theoretical studies of the reaction $e^+e^- \rightarrow K^+K^-$

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In the sixth line below Eq. (4), the reference number [8] should be replaced by [7]. The sign of the interference term labelled $\text{Int}(\text{NS-FSR})$ in Tables 1 and 2 has to be changed. In Figs. 1, 2 and 3 the sign of the contributions labelled $\text{Int}(\text{NS-FSR})$, NS-FSR and NS-ISR has to be reversed. The corrected tables and figures are given below.

Table 1. The cross sections integrated over the effective mass from the threshold up to 1009 MeV for two ranges of the photon emission angle

reaction mechanism	$24^\circ < \theta < 156^\circ$	$45^\circ < \theta < 135^\circ$
FSR	0.330 nb	0.238 nb
NS	0.0020 nb	0.0014 nb
$\text{Int}(\text{NS-FSR})$	-0.021 nb	-0.015 nb
ISR	0.183 nb	0.104 nb
total	0.494 nb	0.328 nb

Table 2. Numbers of events for the K^+K^- effective mass up to 1009 MeV and for two ranges of

reaction mechanism	$24^\circ < \theta < 156^\circ$	$45^\circ < \theta < 135^\circ$
FSR	$5.6 \cdot 10^5$	$4.0 \cdot 10^5$
NS	$3.4 \cdot 10^3$	$2.4 \cdot 10^3$
$\text{Int}(\text{NS-FSR})$	$-3.6 \cdot 10^4$	$-2.5 \cdot 10^4$
ISR	$3.1 \cdot 10^5$	$1.8 \cdot 10^5$
total	$8.4 \cdot 10^5$	$5.6 \cdot 10^5$

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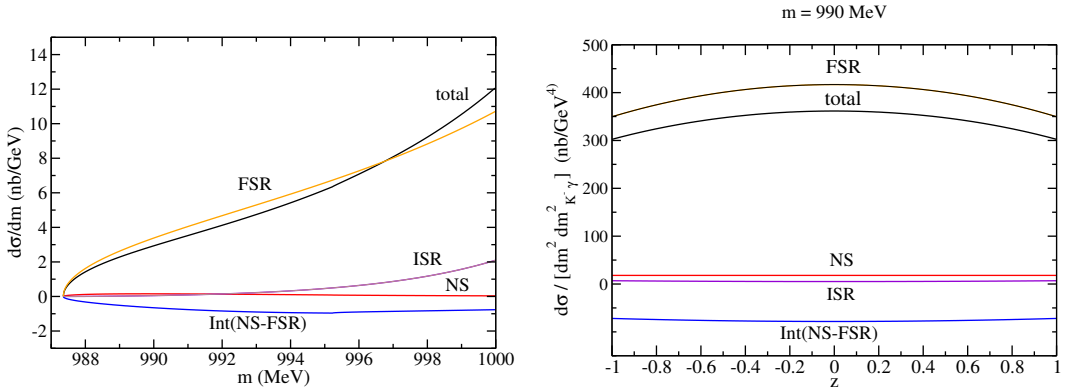


Figure 1. Left panel: K^+K^- effective mass distributions, right panel: double-differential cross sections at $m = 990$ MeV versus the cosine of the polar angle defined in Eq. (4). In both cases $45^\circ < \theta_1 < 135^\circ$: Four contributions to the total result are presented. They are labeled by FSR (final state radiation), ISR (initial state radiation), NS (NS model) and Int(NS-FSR) (interference of the NS and the FSR amplitudes).

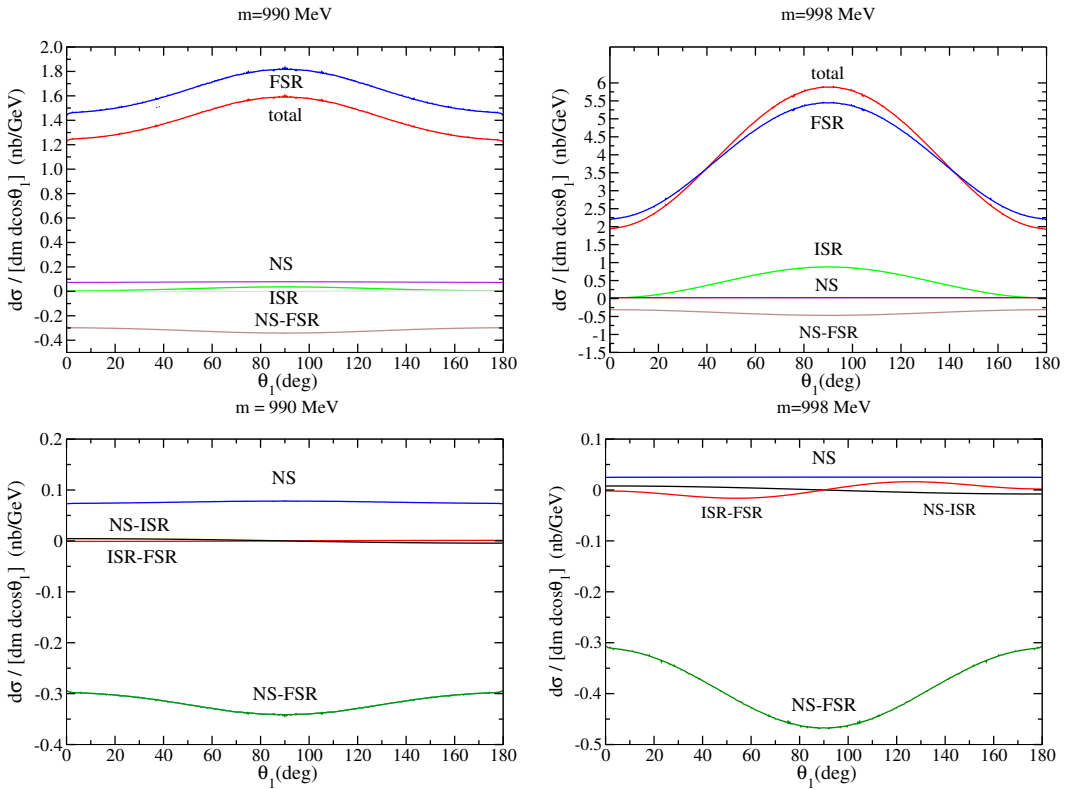


Figure 2. K^- angular distributions at fixed m for $45^\circ < \theta_1 < 135^\circ$. The meaning of the labels total, FSR, ISR and NS is the same as in Fig. 1. By NS-FSR, ISR-FSR and NS-ISR we denote the interference terms of the NS and FSR amplitudes, the ISR and FSR amplitudes, and the NS and ISR amplitudes, respectively.

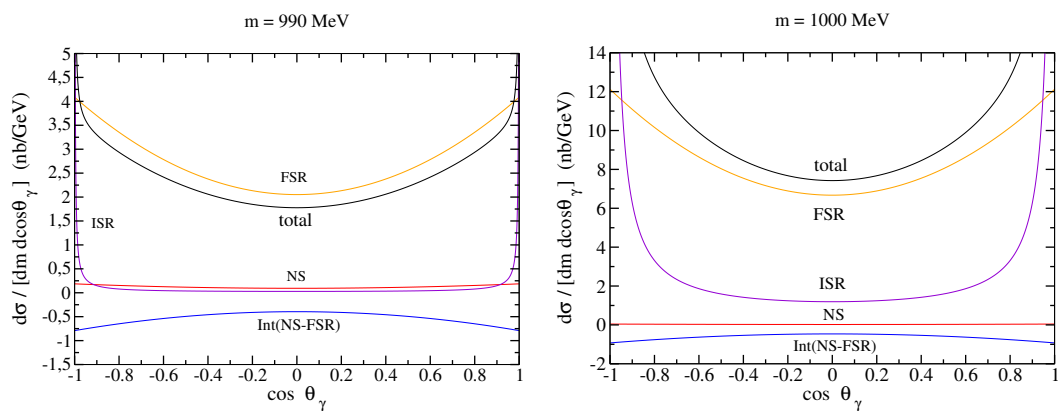


Figure 3. Photon angular distributions at $m = 990$ and 1000 MeV.