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$$\tau \quad \text{G9} \quad \text{H} \quad \text{M} \quad \text{E}^{\alpha} \quad \psi$$

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Figure 9 shows two plots illustrating the dependence of the cross-sections on the mass of the selectron ($m_{\tilde{e}}$) and the mass of the gluino ($m_{\tilde{g}}$). The left plot shows the cross-sections for the process $e^+e^- \rightarrow e^+\gamma^*\gamma^*e^- \rightarrow e^+e^-\tau^+\tau^-$ as a function of $m_{\tilde{e}}$ (GeV) from 0 to 100. The right plot shows the cross-sections for the process $e^+e^- \rightarrow e^+\gamma^*\gamma^*e^- \rightarrow e^+e^-\tau^+\tau^-$ as a function of $m_{\tilde{g}}$ (GeV) from 0 to 100. Both plots show the cross-sections for different values of the coupling constant α_s (0.1, 0.2, 0.3, 0.4, 0.5) and the parameter β (0.1, 0.2, 0.3, 0.4, 0.5). The cross-sections are generally higher for larger values of α_s and β . The cross-sections for the process $e^+e^- \rightarrow e^+\gamma^*\gamma^*e^- \rightarrow e^+e^-\tau^+\tau^-$ are significantly higher than those for the process $e^+e^- \rightarrow e^+\gamma^*\gamma^*e^- \rightarrow e^+e^-\mu^+\mu^-$.

$$\begin{array}{ccccccccccc} 9 & & & & \Psi & & & & & & \\ 3 & \Psi & 9 & & & & & & \Psi & 9 & \gamma \\ & & & & & & & & & & \\ & & & & & & & & & & \\ & & & & \mathfrak{D} & & & & \vdash & \downarrow & \mathbb{E}^{\sim} \end{array}$$

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$$5. \quad \Psi_9 = \Psi_9$$
$$\gamma_{6\psi} = \%$$

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1. Ψ

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sgtdm@siti.com.cn

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