

List of files of additional materials

1. First measurement of $\psi(3686) \rightarrow \Sigma^- \bar{\Sigma}^+$ at BESIII

a) Presentations

- 2021-03-04 BESIII Light Hadron Group Meeting
- 2021-04-01 BESIII Light Hadron Group Meeting
- 2021-08-13 BESIII PS Meeting

b) Paper and note:

- JHEP 12, 016 (2022)
- BAM-531

2. Study of decay parameters in $J/\psi \rightarrow \Sigma^+ \bar{\Sigma}^-$

a) Presentations

- 2021-01-28 BESIII Light Hadron Group Meeting
- 2021-03-16 BESIII Workshop Meeting
- 2022-09-24 BESIII PS Meeting

b) Paper and note

- Phys. Rev. Lett. 131, no.19, 191802 (2023)
- BAM-552

3. First measurement of $\Lambda_c^+ \rightarrow n K_S \pi^+ \pi^0$ at BESIII

a) Presentations

- 2021-11-02 BESIII Charm Group Meeting
- 2021-11-09 BESIII Charm Group Meeting
- 2022-01-11 BESIII Charm Group Meeting
- 2023-01-13 BESIII PS Meeting

b) Paper and note

- Phys. Rev. D 109, no.5, 053005 (2024)
- BAM-697

4. Precise measurement of CP asymmetry $\Sigma^+ \rightarrow p \pi^0$ in J/ψ and $\psi(3686) \rightarrow \Sigma^+ \bar{\Sigma}^-$ processes

• Presentations

- 2022-07-21 BESIII Light Hadron Group Meeting
- 2022-11-03 BESIII Light Hadron Group Meeting
- 2023-09-15 BESIII PS Meeting

b) Paper and note

- Phys. Rev. Lett. 135, no.14, 141804 (2025)
- BAM-766

5. Study of $J/\psi \rightarrow \gamma n \bar{n}$ at BESIII

a) Presentations

- 2022-12-02 BESIII Light Hadron Group Meeting
- 2023-03-14 BESIII Workshop Meeting
- 2023-12-28 BESIII Light Hadron Group Meeting
- 2024-05-06 BESIII PS Meeting

b) Note

- BAM-854

6. Thesis in Chinese

- Thesis
- Abstract and summary