

**Roos, H.**

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**Keywords:**

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**References:**

- [1] Haag, R., Kastler, D.: *J. Math. Phys.*5, 848 (1964). · [Zbl 0139.46003](#) · [doi:10.1063/1.1704187](#)
- [2] Schlieder, S.: *Commun. Math. Phys.*13, 216 (1969). · [Zbl 0179.58001](#) · [doi:10.1007/BF01645488](#)
- [3] Rickart, Charles E.: *General theory of Banach algebras*. Princeton: Van Nostrand 1960. · [Zbl 0095.09702](#)
- [4] Dixmier, Jaques: *Les C\*-algèbres et leurs représentations*. Paris: Gauthier-Villars 1964.
- [5] The original version of the proof of lemma 1 needed the assumption that there exists a representation  $\{\pi\}$  of  $\mathfrak{A} \otimes \mathbb{C}^2$  with  $\{\pi\}(\mathfrak{A} \otimes \mathbb{C}^1)$  and  $\{\pi\}(\mathfrak{A} \otimes \mathbb{C}^2)$  fulfilling the proposition of Schlieder. The idea of the proof given in this paper is due to Borchers.
- [6] Turumaru, T.: *Tôhoku Math. J.*8, 281 (1956). · [Zbl 0072.32903](#) · [doi:10.2748/tmj/1178244952](#)
- [7] — *Tôhoku Math. J.*16, 111 (1964). · [Zbl 0127.07302](#) · [doi:10.2748/tmj/1178243737](#)
- [8] Wulfsohn, A.: *Bull. Sci. Math.*87, 13 (1963).
- [9] Okayasu, T.: *Tôhoku Math. J.*18, 325 (1966). · [Zbl 0152.33101](#) · [doi:10.2748/tmj/1178243423](#)

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